FLEET STUDY - FINAL REPORT

Witter - Wheeler Campus Plan

City of Alexandria, Virginia

Prepared by:

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ACKNOWLEDGEMENTS

The WSP Team would like to thank the following City, ACPS, and DASH staff members that have participated in this study for their time and input which made possible the development of the information presented herein.

City of Alexandria

Alfred Coleman	Deputy Director / Project Mgr.	General Services
Jeremy McPike	Director	General Services
William Miner	Division Chief, Capital Projects	General Services
Yon Lambert	Director	T&ES
Jeff DuVal	Deputy Director, Operations	T&ES
Darrel Reynolds	Division Chief, Fleet Services	T&ES
Walter Grimes	Fleet Supervisor, Fleet Services	T&ES
Duane Shorter	Shop Foreman, Fleet Services	T&ES
Christopher Bedwell	Mgmnt. Analyst, Fleet Services	T&ES
Corey Smedley	Acting Fire Chief	Fire Department
Michael Cross	Acting Assistant Fire Chief	Fire Department
Fred Ruff	Battalion Chief	Fire Department
Michael Young	Fleet Maintenance Supervisor	Fire Department
Oscar Mendoza	Division Chief, Park Support	RPCA

Alexandria City Public Schools (ACPS)

Charles Stone	Director, Pupil Transportation	ACPS
Erika Gulick	Senior Planner	ACPS
James Wood	Fleet Manager	ACPS
Brad Baber	Parts Manager	ACPS

Alexandria Transit Company (DASH)

Raymond Mui	Assistant General Manager	DASH
John Lanocha	Director of Maintenance	DASH

Study Team

Mark Probst	Project Manager	WSP
Richard Rotenberry	Fleet Specialist	WSP
Larry Luttrell	Fleet Specialist	WSP
Dan Quigg	Fleet Specialist	WSP
Robert “Bob” Kalbach	QA/QC	WSP
Evan Register	Facility Specialist	WSP

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CHAPTER 1 – INTRODUCTION

INTRODUCTION

BACKGROUND

The City of Alexandria owns a twenty-three (23) acre site known as the Witter-Wheeler Campus which is bound by Wheeler Avenue / Duke Street / Colvin Street on the north and Business Center Drive and the railroad tracks on the south (see Exhibit 1.1 for aerial of project site). This is the largest area of City-owned properties, many buildings therein have exceeded their life expectancy or operational needs and the uses for which are expanding beyond current capabilities.

In addition, this area could accommodate other capital project needs. The City has selected Michael Baker International to develop a Feasibility Study and Campus Master Plan to determine the highest and best use of the 23-acre site to strategically accommodate identified City needs in support of funding for Capital Improvement Projects (CIP).

PURPOSE

The purpose of this study is to identify and evaluate options, approaches, and strategies for fleet management services for the following four City fleet operations:

- City of Alexandria
- Fire Department
- Alexandria City Public Schools (ACPS)
- DASH Transit Bus Company

The data, recommendations, and information gleaned from this study will help inform the larger Witter-Wheeler Feasibility Study and Campus Master Plan. The City has asked WSP to conduct this Fleet Study.

Exhibit 1.1: Aerial of Witter - Wheeler Campus

METHODOLOGY

The first step was to collect and review existing documents provided by the City of Alexandria and the Alexandria City Public Schools (ACPS) that are pertinent to the project.

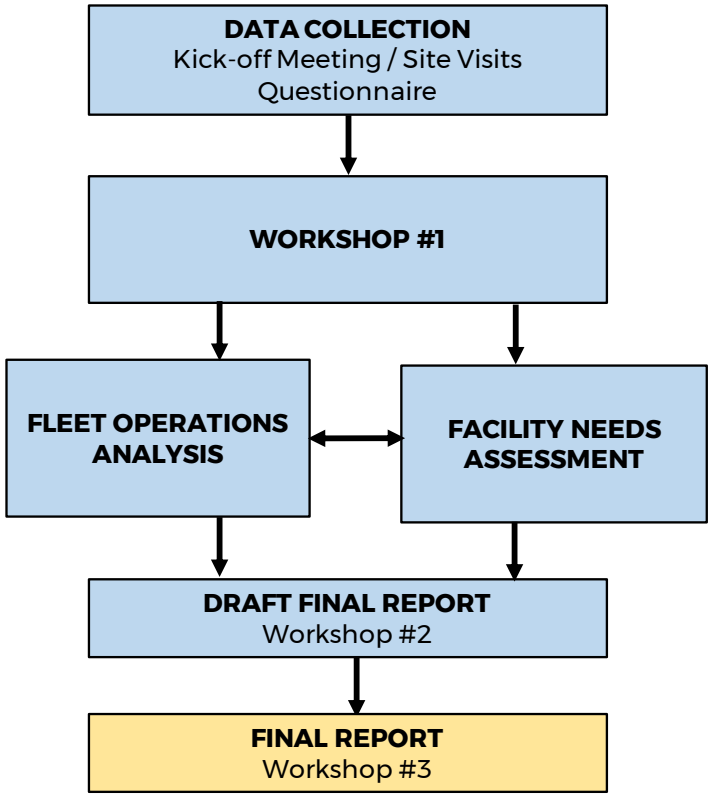
Exhibit 1.2. illustrates the methodology for the Fleet Study broken down into distinct tasks. A kick-off meeting was held on Tuesday, August 13, 2019 to review the scope and schedule and begin to identify the project goals. The kick-off meeting was preceded by tours of the various facilities involved in the study. A data gathering questionnaire was developed based on the kick-off meeting and facility tours. The responses to the questionnaire formed the basis of discussions during Workshop #1.

Workshop #1 was conducted Tuesday, September 17 through Friday, September 20, 2019 to meet with each group to discuss current operations and facility needs (current and projected). The fleet operations analysis and facility needs assessment as outlined in the scope of services were conducted based on information gathered during Workshop #1.

A draft report documented the analysis and assessment and served as the basis for discussion during Workshop #2 held December 3 and 4, 2019.

This draft final report incorporates input during and after Workshop #3 and will be presented at Workshop #3, scheduled for Friday, December 20, 2019.

Exhibit 1.2: Methodology



KEY ELEMENTS

The following are key elements of the Fleet Study:

- Understanding operational needs
- Identifying space requirements (office, shop, storage. parking)
- Accommodating current and future (30 years) needs
- Accommodating changing technology (including electric vehicles)
- Accommodating phased development
- Identifying design concepts that address the elements above

PROJECT GOALS

The following were identified during data gathering and Workshop #1 as key items to be addressed in the study.

Site Considerations

1. Adequate parking / staging area
2. Clearance for vehicle turning radius
3. Proper security of yard
4. Safe, efficient vehicle traffic flow
5. Safe, efficient pedestrian (employee) traffic flow
6. Electrification infrastructure / expansion
7. Increased capacity (maintenance and parking)

Facility Considerations

8. Service bay doors should be durable and reliable
9. Indoor environment should be fully climate-controlled (including air conditioning)
10. Centralized fluid dispensing system
11. WiFi throughout the facility
12. Adequate storage space
13. Mechanic break area
14. Customer waiting area
15. Ethanol-free / off-road gasoline (for small engines)
16. Adequate employee restrooms
17. Supervisor's privacy
18. Adequate parking (school buses & employees)
19. Employee lounge
20. Dispatch with view of parking area
21. Properly sized repair bays
22. Adequate area for storage of portable equipment and tool boxes
23. Maintenance capabilities requested by DASH
    a. Light vehicle bay
    b. Body repair and paint
    c. Machine shop
    d. Ability to lift equipment
    e. Roof access for buses (battery & hybrid)

Specific Fire Department Considerations

24. Combine AFD logistics units
25. Key items for Alexandria Fire Department (AFD) are staffing, function, and vehicles and properly accommodating each.
26. CPAT (Candidate Physical Ability Test) facility (regional)

FLEET PROJECTIONS

The existing vehicle and equipment lists for the City of Alexandria, the Fire Department, the Alexandria City Public Schools (ACPS), and DASH are presented in the Appendix.

The number of maintenance bays and parking spaces are directly related to the size and quantity of vehicles and equipment.

The matrix below shows the projected growth for each fleet.

	Now 2019	5-Years 2024	10-Years 2029	20-Years 2039	30-Years 2049
Maintained by Fleet	**983**	**998**	**1012**	**1042**	**1073**
Fire Department	**121**	**121**	**121**	**121**	**121**
ACPS Buses					
Diesel Route Buses	103	100	97	94	90
Electric Route Buses	0	12	18	24	30
Spare or To Sell	20	22	24	28	30
Total ACPS Buses	**123**	**134**	**139**	**146**	**150**
ACPS White Fleet					
Parked on WW Campus	16	20	22	24	28
Parked Elsewhere	45	48	50	52	54
Total ACPS White Fleet	**61**	**68**	**72**	**76**	**82**
DASH					
Buses	**110**	**119**	**129**	**139**	**150**
Non-Revenue Vehicles	**20**	**20**	**20**	**20**	**20**

Fleet Notes

1. The Fire Department might add 2 to 3 ambulances and one ladder truck, which will not impact the number of repair bays needed.
2. ACPS replaces 10 buses every year and adds approximately 3 buses every other year, as funding allows.
3. The DASH fleet averages about 25,000 miles per bus per year compared to an industry average of about 40,000 miles per bus per year.
4. Assume the DASH fleet will be 40-foot buses; however, repair bays should be laid out so as not to preclude a small fleet of 45-foot buses or 60-foot articulated buses in the future.

Fleet Electrification

The City Council will be considering a new electric vehicle (EV) policy in January, 2020.

Fleet Services: All sedans and SUVs will potentially be EVs. This equates to approximately 150 City vehicles plus 325 police vehicles for a total of 475 EVs.

DASH: An initial battery electric bus (BEB) fleet of six will be delivered in the summer of 2020. These BEBs will have plug-ins on each side of the bus and top rails for overhead pantograph charging. For purposes of master planning, assume 100% of the bus fleet will be battery electric buses by 2027. Constraints will be availability of power and funding.

ACPS: Up to ten BEB school buses are anticipated in 2020. At $380,000 per bus, BEBs are three times the cost of a regular school bus. Availability of funding will be a constraint, however, ACPS is pursuing grants to alleviate the price difference above the cost of each diesel school bus.

STAFFING PROJECTIONS

The staff projections for each group are shown on the following pages based on input from the questionnaires and discussions during Workshop #1.

Staffing is provided for:

- Fleet Services
- Fire Department Logistics
- ACPS (Fleet Maintenance)
- ACPS (Operations)
- DASH (Maintenance)
- DASH (Administration / Operations)

These figures were used to determine requirements for office and meeting space, restrooms, locker areas, and employee parking.

	Current (2019)			5 Years	10 Years	20 Years	30 Years
	Actual	Vacant	**Total**	**(2024)**	**(2029)**	**(2039)**	**(2049)**
FLEET SERVICES							
Division Chief	1	0	1	1	1	1	1
Management Analyst	1	0	1	1	1	1	1
Diagnostician	1	0	1	1	1	1	1
Shop Supervisor / Foreman	1	0	1	1	1	1	1
Parts Manager	1	0	1	1	1	1	1
Service Advisor	1	0	1	1	1	1	1
Laborer	1	0	1	2	2	2	2
Parts Clerk	0	2	2	2	2	2	2
Fleet Technicians (Mechanics)	8	2	10	11	12	13	14
TOTAL FLEET SERVICES	15	4	**19**	**21**	**22**	**23**	**24**
FIRE DEPARTMENT							
Facilities Portfolio Manager	1	0	1	1	2	2	2
Supply Specialist	1	0	1	2	2	2	2
Fleet Supervisor	1	0	1	1	1	1	1
Service Writer	0	0	0	1	1	1	1
Emergency Vehicle Technicians	3	0	3	3	4	4	4
Fire Battalion Chief / Logistics	1	0	1	1	1	1	1
TOTAL FIRE DEPARTMENT	7	0	**7**	**9**	**11**	**11**	**11**

	Current (2019)			5 Years	10 Years	20 Years	30 Years
	Actual	Vacant	**Total**	**(2024)**	**(2029)**	**(2039)**	**(2049)**
ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS)							
Fleet Manager	1	0	1	1	1	1	1
Night Shift Manager	0	0	0	1	1	1	1
Parts Manager	1	0	1	1	1	1	1
Parts Clerk Support Specialist II	1	0	1	1	1	1	1
School Bus Mechanic (Technician) I	0	0	0	2	2	2	2
School Bus Mechanic (Technician) II	4	1	5	8	8	8	8
White Fleet Mechanic (Technician) II	1	0	1	2	2	2	2
TOTAL ACPS FLEET MAINT.	8	1	**9**	**16**	**16**	**16**	**16**
Director	1	0	1	1	1	1	1
Assistant Director	1	0	1	1	1	1	1
Supervisor	2	0	2	2	3	3	3
Coordinator	1	0	1	1	1	1	1
Dispatcher	1	1	2	1	2	2	2
Route Planner	0	0	0	1	1	1	1
Financial Technician	0	0	0	1	1	1	1
Adminitrative Assistant	1	0	1	1	1	1	1
School Bus Driver	112	0	112	118	124	130	130
School Bus Monitor	35	0	35	35	40	40	40
Van Driver / Non-CDL (new)	10	0	10	12	20	20	20
TOTAL ACPS OPERATIONS	164	1	**165**	**174**	**195**	**201**	**201**

	Current (2019)			5 Years	10 Years	20 Years	30 Years
	Actual	Vacant	**Total**	**(2024)**	**(2029)**	**(2039)**	**(2049)**
DASH MAINTENANCE							
Director of Maintenance	1	0	1	1	1	1	1
Assistant Director of Maintenance	1	0	1	1	1	1	1
Parts Manager	1	0	1	2	3	3	3
Maintenance Foreman	3	0	3	3	3	3	3
Maintenance Mechanics	13	2	15	16	18	20	22
Cleaners	3	0	3	4	5	6	7
Service Workers	6	0	6	7	8	9	10
Facility Technician	1	0	1	2	2	2	2
Maintenance - Other	2	0	2	2	2	2	2
TOTAL DASH MAINTENANCE	31	2	**33**	**38**	**43**	**47**	**51**

	Current (2019)			5 Years	10 Years	20 Years	30 Years
	Actual	Vacant	**Total**	**(2024)**	**(2029)**	**(2039)**	**(2049)**
DASH ADMINISTRATION / OPERATIONS							
General Manager	1	0	1	1	1	1	1
Assistant General Manager	1	0	1	1	1	1	1
Directors (Safety, Planning, Finance, HR, Operations)	5	0	5	5	5	5	5
Assistant Operations Director	1	0	1	1	1	1	1
Managers (Marketing, Accounts, Safety, IT)	3	1	4	4	5	6	7
Planning / Marketing - Other	5	0	5	7	8	9	10
Safety & Training Officers	3	0	3	4	5	6	7
HR Generalists	2	0	2	3	3	4	4
Administrative - Other	4	0	4	4	5	5	5
Operations Dispatcher / Supervisor	12	0	12	13	14	15	15
Operators - Full Time (FT)	125	22	147	150	175	185	190
Operators - Part Time (PT)	15	0	15	20	25	30	35
TOTAL DASH ADMIN. / OPS.	177	23	**200**	**213**	**248**	**268**	**281**

CHAPTER 2 – FLEET OPERATIONS ANALYSIS

FLEET OPERATIONS ANALYSIS

INTRODUCTION

The Witter - Wheeler Campus includes the following four key fleet operations:

- City of Alexandria (Fleet Services)
- Fire Department Logistics (Fleet and Facilities & Supplies)
- Alexandria City Public Schools (ACPS) – Pupil Transportation (Maintenance and Operations)
- Alexandria Transit Company (DASH)

The proximity of these operations on one campus raises the possibility of synergies / efficiencies between all or some of these fleet operations. Based on data review, facility tours, and discussions during Workshop #1, nineteen (19) potential synergies have been identified including twelve (12) facility related and seven (7) contract / procurement related synergies.

The twelve facility related synergies include:

1. Training, Conference, and Meeting Facility
2. Vehicle and Equipment Wash Facility
3. Exercise / Wellness Facility
4. Light Vehicle Maintenance
5. Body Repair and Paint Shop
6. Welding, Machine, Fabrication Shop
7. Rebuild Shop
8. Centralized Main Parts Warehouse
9. Dedicated Lane / Area for Brake Tests
10. Reference Library
11. Tire Shop
12. Two-Wheel Dynamometer

The seven contract / procurement related synergies include:

1. Standard Written Procedures
2. Yard Maintenance (including snow removal)
3. Shared IT Service Contract
4. Facility Maintenance and Custodial Contract
5. Contract Towing or Buying a Heavy-Duty Wrecker
6. Collective Purchasing Contracts
7. Security Service Contracts

Each of these potential synergies is evaluated in this section with an overview, a brief description of the current situation by department, the synergy opportunity benefits and conclusion, and identification of the groups that could benefit.

Note that each entity (City, Fire, Schools, and Transit) subject to these contract/procurement items would need to be included in developing the scope of work and specifications for any contracts or policies.

FACILITY RELATED POTENTIAL SYNERGIES

1. Training, Conference, and Meeting Facility

Overview:

A facility to provide for shared use of space for meetings, conferences and training.

Current situation by department:

A. DASH: Already has described facilities but they are not centrally located and therefore are not readily accessed by the other departments.

B. ACPS: Their facility, built in the mid-1970's, does not have adequate space as described. Such a facility within proximity would be an asset to ACPS.

C. Fire Department: They share an existing room now within the Fleet Services building, however attendance size is limited.

D. Fleet Services: They have an existing room now within the Fleet Services building, however attendance size is limited.

E. Parks and Recreation: Already has described facilities but they are not centrally located and therefore are not readily accessed by the other departments.

Synergy opportunity benefits and conclusion:

A centrally located space is envisioned to include a large meeting/conference space with moveable sound-limiting partitions to allow for multiple events at any given time. Space should also be allotted for storage of training equipment.

In addition, meeting space needs to be close to each group for continuity of operations.

Co-location with the largest employer on-site (ACPS Transportation) would result in the most benefit for employees.

Benefits include:

- The ability for respective departments to meet with larger (all) amounts of staff as needed.
- Multiple events at one time.
- Adequate room for training which becomes more necessary as technologies change.

Groups that could benefit from this synergy include:

- ACPS
- Fire Department
- Fleet Services

2. Vehicle and Equipment Wash Facility

Overview:

A facility to allow for multiple sizes of vehicles and equipment used by the various departments. The current wash area, located adjacent to Fleet Services, is not covered from rain water intrusion and a city water drain valve must be ordered to be closed to allow for waste water drainage. The size of the current wash area makes washing of certain vehicles/equipment very difficult and the configuration does not include a lift or undercarriage wash. Vehicle exterior washing requires hand-washing.

Current situation by department:

A. DASH: They have a brush-type washer configured for their type transit buses, however there is no undercarriage wash incorporated. They also have a separate wash bay with a parallelogram lift.

B. ACPS: School buses are driven to a wash facility in Maryland, approximately 18 miles one-way, for an exterior wash twice a year. This wash does not include undercarriage wash.

C. Fire Department: They use the wash site adjacent to Fleet Services, which is very cumbersome for the type/size vehicles and equipment they service.

D. Fleet Services: They use the wash site adjacent to Fleet Services.

E. Parks and Recreation: Equipment washing is performed by their various contracted service providers.

Synergy opportunity benefits and conclusion:

Note that vehicles operating in the Alexandria area should receive an undercarriage wash at least once a year, preferably in the Spring, to remove corrosives used to condition the roads during snow events.

A centrally located wash facility is envisioned to accommodate the various sizes and configurations of vehicles and equipment. The facility should be centrally located for access by all departments. The facility must be covered to prevent rainwater intrusion. A lift should be provided to allow undercarriage access. A hand-wand steam cleaner should be provided for spot cleaning. An automated undercarriage wash must be included.

Benefits include:

- A covered facility would not require changing valves for waste water drain-off.
- Ability to accommodate various size/types of vehicles
- Ability to perform undercarriage wash which is important for rust prevention

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services

3. Exercise / Wellness Facility

Overview:

An exercise facility centrally located to allow for use by all subject city department staff.

Current situation by department:

A. DASH: A wellness room is located adjacent to the Drivers Room.

B. ACPS: Their facility, built in the mid-1970's, does not have a facility as described. Such a facility within proximity would be an asset to ACPS.

C. Fire Department: An exercise room is available at station #8 but it is not readily available to the vehicle maintenance staff.

D. Fleet Services: No facility available as described.

E. Parks and Recreation: An exercise facility is available within their building, which includes men/women changing/shower/toilet rooms. The location of the room is not central to other city department staff.

Synergy opportunity benefits and conclusion:

A centrally located exercise facility that could be easily accessed by ACPS, Fire Department and Fleet Services maintenance workers before and after their work shifts or during lunch period. The facility is envisioned to have several standard exercise machines and men/women changing/shower/toilet rooms.

Co-location with the largest employer on-site (ACPS Transportation) would result in the most benefit for employees.

Benefits include:

- Better health
- Convenience
- Staff appreciation

Groups that could benefit from this synergy include:

- ACPS
- Fire Department
- Fleet Services

4. Light Vehicle Maintenance

Overview: This includes the maintenance of cars, pickup trucks, vans, and other similar light-duty support vehicles used by the subject city services.

Current situation by department:

A. DASH: They maintain their non-revenue vehicles (NRVs) in a bay sized to accommodate a transit bus. DASH is eager to relinquish maintenance of light-duty vehicles so they can concentrate on their core transit bus operation and maintenance. This would also free up work bay space for transit bus repairs.

B. ACPS: They maintain their "white fleet" vehicles in a dedicated bay.

C. Fire Department: AFD wants to maintain its own fleet because light vehicle work has minimal impact on work demand (10 to 15 hours per month) and creates efficiency during down time while waiting for just-in-time parts delivery. AFD needs to control work priorities to perform repairs on the vehicle most important to AFD operation at the time.

D. Fleet Services: They have an interest in exploring the possibility of assuming the task of light-duty vehicle maintenance for DASH and ACPS.

E. Parks and Recreation: Their support vehicles are maintained by Fleet Services.

Synergy opportunity benefits and conclusion:

There is a current synergy opportunity with the possibility of DASH and ACPS sending their light-duty vehicles to Fleet Services for maintenance and repair. While ACPS has made no attempt to divest of the white fleet maintenance function, they have over 50 light duty vehicles that, if repaired by Fleet Services, would free up work space and technicians to focus on school bus repairs. Light-duty vehicles requiring maintenance service would be scheduled for such with Fleet Services. During scheduling each vehicle could be coded as to the priority level.

Benefits include:

- Light-duty repairs by light-duty experts
- Quality control

Groups that could benefit from this synergy include:

- DASH and ACPS
- Fire Department (prefers to maintain its own fleet)

5. Body Repair and Paint Shop

Overview:

There are varied views of a city owned/operated body and paint shop by the subject departments. There are numerous environmental requirements regarding spraying of paint and air filtration. There are also various methods by which such a facility could be implemented. The facility could be owned by the city but operated by an independent contractor. Repairs could be limited to ding & dent type repairs with heavy wreck damage vehicles going to an outside contractor.

Current situation by department:

A. DASH: Body and paint work is contracted out at significant cost.

B. ACPS: Body and paint work is contracted out.

C. Fire Department (AFD): Body and paint work is contracted out. They are content with the repair work and timeliness of their current contractor. AFD feels the quality of finished body work and liability for structural integrity of body work is best handled by a third-party vendor.

D. Fleet Services: Body and paint work is contracted out.

E. Parks and Recreation: Body and paint work is contracted out.

Synergy opportunity benefits and conclusion:

A centrally located body repair and paint shop. If implemented this facility would establish a source for more expedient repairs such as ding & dent. The facility would be in proximity to the subject city departments than the current repair contractors used.

Benefits include:

- Less shuttling to remote contractor locations
- Quality control

Groups that could benefit from this synergy include:

- DASH (only group to express interest in this opportunity)
- ACPS
- Fire Department
- Fleet Services
- Parks and Recreation

6. Welding, Machine and Fabrication Shop

Overview:

A facility/space to be shared by all subject departments for completing welding, machine shop or fabrication type work.

Current situation by department:

A. DASH: They have a small space currently used for some level of the described work.

B. ACPS: No specific space is available. Subject work may be performed within the maintenance bays to some extent.

C. Fire Department: No specific space is available. Subject work may be performed within the maintenance bays to some extent.

D. Fleet Services: A work space is available within the Fleet Services building in which some level of machine and fabrication work can be performed.

E. Parks and Recreation: A work space is available within the Parks and Recreation building in which some level of machine and fabrication work can be performed, however most work is performed by various contractors.

Synergy opportunity benefits and conclusion:

A centrally located facility would allow for a shared work space which could be used by all subject departments as needed. The area should have appropriate tooling such as welding equipment and associated air filtering systems. Other possible equipment may include a drill press, hydraulic press, work benches with vice, grinders, and various hand tools.

Benefits include:

- Professional, properly configured and tooled work environment

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services

7. Rebuild Shop

Overview:

A work space prepared specifically for the rebuild of engines, transmissions, and other vehicle components. The work space should be a "clean room" with climate control to reduce the possibility of contamination to items being rebuilt.

Current situation by department:

A. DASH: They have a small space currently used for some level of the described work, however it is not a clean work environment.

B. ACPS: No specific space is available. Subject work may be performed within the maintenance bays to some extent, which is not a clean environment.

C. Fire Department: No specific space is available. Subject work may be performed within the maintenance bays to some extent, which is not a clean environment.

D. Fleet Services: A work space is available within the Fleet Services building in which some level of rebuild can be performed, which is not a clean environment.

E. Parks and Recreation: It was explained that the subject work performed at their facility is limited to mower blade sharpening and other minor duties. Most work is performed by various contractors.

Synergy opportunity benefits and conclusion:

In many cases the rebuild, partial rebuild, or prep work for installation of a new component is performed within the maintenance bay, which may not be favorable to a clean, quality job. A centrally located work space, specifically prepared for rebuilding components would allow for a professional work area.

Note that only DASH expressed interest in having a rebuild shop. All other groups typically contract out component rebuild. The space program provides for a Common Work Area that will accommodate minor rebuild, if necessary.

Benefits include:

- Professional, properly configured and tooled work environment

Groups that could benefit from this synergy include:

- DASH
- ACPS (possibly)
- Fire Department (possibly)
- Fleet Services (possibly)

8. Centralized Main Parts Warehouse

Overview:

A facility/space which would allow for the storage of larger or surplus parts.

Current situation by department:

A. DASH: Although they have a significant storeroom space, it can be restrictive for larger items. In many cases of new bus procurements, spare parts could be stored in a central warehouse. Due to occasional flooding within the storeroom it would be beneficial to have excess parts in another location.

B. ACPS: Storeroom space is very limited.

C. Fire Department: Storage space in general is very limited. They currently use a space in the basement of station #8 to store many items such as chainsaws, uniforms and other personal protective equipment. More supplies are stored at station #9.

D. Fleet Services: Although they have a storeroom space, it can be restrictive for larger items.

E. Parks and Recreation: Not applicable as they have significant warehouse space.

Synergy opportunity benefits and conclusion:

A centrally located facility is envisioned with segregated spaces for each of the subject departments. All parts stored should be inventoried items for which security is required. Items would be readily available to users.

Benefits include:

- A secured area for storage of oversized or surplus inventoried items.
- Provides more space in respective existing storeroom areas.
- Quick availability of stored items.

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department *(AFD plans to combine vehicle parts with the Supply Unit, which will result in improved internal operational efficiency.)*
- Fleet Services

9. Dedicated Lane / Area for Brake Tests

Overview:

Brake tests should be an important part of routine maintenance for each subject department. Currently departments use the public street (Business Center Drive) adjacent to the new DASH facility.

Current situation by department:

A. DASH: Currently use Business Center Drive

B. ACPS: Currently use Business Center Drive

C. Fire Department: Currently use Business Center Drive

D. Fleet Services: Currently use Business Center Drive

E. Parks and Recreation: Currently use Business Center Drive. (Light-duty vehicle maintenance performed by Fleet Services)

Benefits include:

- A secured, flat and straight concrete road to allow for braking tests.
- No accessibility by general public.

Group that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services
- Parks and Recreation

10. Reference Library

Overview:

A climate controlled room specifically designed as a reference library available to all subject departments.

Current situation by department:

A. DASH: Although they are remote from the other departments DASH may make use of the library for master copies of some manuals and publications.

B. ACPS: With limited space in general a library could free up space.

C. Fire Department: With limited space in general a library could free up space.

D. Fleet Services: Could make use of the library for master copies of some manuals and publications.

E. Parks and Recreation: Could make use of the library for master copies of some manuals and publications.

Synergy opportunity benefits and conclusion:

In most vehicle maintenance environments, it is difficult to keep manuals and other literature in good condition. In many cases, duplicate books are available which could be stored in a reference library. The library should also contain computers to allow for research of electronic files. Reference libraries must be located near the repair bays to be useful.

Benefits include:

- Safe, clean storage for reference material.

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department (requested that reference library be collocated with Service Writer)
- Fleet Services
- Parks and Recreation

11. Tire Shop (contracted service)

Overview:

A dedicated work bay, well organized and equipped specifically to perform tire repair/replacement work.

Current situation by department:

A. DASH: Likely not applicable as they have a tire repair shop in-house.

B. ACPS: With limited space, a centrally located tire shop would be of benefit.

C. Fire Department: With limited space, a centrally located tire shop would be of benefit.

D. Fleet Services: With limited space, a centrally located tire shop would be of benefit.

E. Parks and Recreation: Likely not applicable with light-duty vehicles maintained by Fleet Services and contractors maintain other equipment.

Synergy opportunity benefits and conclusion:

In the case of ACPS, Fire Department and Fleet Services they each call in a contractor for most tire work. The tire contractor usually works outside of the shop on the yard, which can be disruptive to traffic flow. A dedicated tire shop would place the contractor, or department staff, out of the elements and in an environment designed for the task.

Benefits include:

- Ability to perform work out of the ambient elements.
- Work in an environment designed and equipped for tire work.

Groups that could benefit from this synergy include:

- ACPS
- Fire Department
- Fleet Services

12. Two-Wheel Dynamometer

Overview:

An indoor dynamometer allows for simulating a road test without the liabilities of doing so on a public road.

Current situation by department:

A. DASH: Could be benefit with a dynamometer for non-revenue vehicles.

B. ACPS: Could be benefit with a dynamometer for its white fleet.

C. Fire Department: Could benefit with a dynamometer that will accommodate their vehicle size/types.

D. Fleet Services: Currently have a dynamometer.

E. Parks and Recreation: Light-duty vehicles are maintained by Fleet Services.

Benefits include:

- Ability to simulate a "road test" in a safe environment out of snow or rain.
- Can simulate load conditions such as cargo weight or driving up a grade.

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services

CONTRACTS / PROCUREMENT RELATED POTENTIAL SYNERGIES

1. Standard Written Procedures

Overview:

The five departments have their main functional fleet operations and maintenance on the Witter - Wheeler campus. Indications from the discussions with department personnel are that in some cases policies and procedures are different for the same circumstances.

Current situation by department:

A. DASH: Current procedures should be reviewed and updated.

B. ACPS: Current procedures should be reviewed and updated.

C. Fire Department: Current procedures should be reviewed and updated.

D. Fleet Services: Current procedures should be reviewed and updated.

E. Parks and Recreation: Current procedures should be reviewed and updated.

Synergy opportunity benefits and conclusion:

An employee or guest should see like and consistent policies throughout the Witter - Wheeler campus facilities, storage areas, driveways etc. It is possible the directive details of policies will be different due to varying circumstances.

Benefits include:

Examples of items that should be considered for policy standardization are:

- Security: incident report, identification of "safe" areas, perimeter fencing with gate access, cameras and digital recording, visitor/vender access
- Communication between departments
- Signage
- Employee communication
- Smoking
- Emergency evacuation and meeting locations
- Emergency Phone Contact Information (shared between facilities)
- Personnel and Visitor Vehicle Parking Rules
- Energy Savings
- Weapons on Property
- Safety Data Sheets
- Employee Responsibilities for Facility Cleanliness etc.

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services
- Parks and Recreation

2. Yard Maintenance (including snow removal)

Overview:

Services provided by the Witter - Wheeler departments are critical in meeting the safety, security and mobility of the citizens. Functional fleet staff should be performing their normal functions and not be assigned to providing snow shoveling / plowing and /or yard maintenance (landscaping).

Current situation by department:

A. DASH: Performed partial by City services and partial by department staff.

B. ACPS: Performed partial by City services and partial by department staff.

C. Fire Department: Performed partial by City services and partial by department staff.

D. Fleet Services: Performed partial by City services and partial by department staff.

E. Parks and Recreation: Performed partial by City services and partial by department staff.

Synergy opportunity benefits and conclusion:

Use of either City service or contractor responsible for the five subject departments.

Benefits include:

- When inclement weather requires the city to provide street plowing, the city or contractor responsible for providing on-street plowing would be responsible for providing plowing first for the five Witter - Wheeler facilities. This allows the various departments to remain dedicated to their mission of maintaining their fleet vehicles.
- Landscaping of the campus is an area where one entity could be responsible for entire plot. This would free any of the five departments from on the ground work and with each entity responsible for requesting work and oversite of the work performed.

Groups that could benefit from this synergy include:

- DASH
- ACPS
- Fire Department
- Fleet Services
- Parks and Recreation

3. Shared IT Service Contract

Overview:

Each of the departments rely heavily on IT systems for their business function. There are a variety of fleet maintenance software tools being used between the departments. Some contain what the user needs and others do not.

Current situation by department:

A. DASH: Using Fuel: Fleetwatch, Maint: RTA, Inventory: RTA

B. ACPS: Using Fuel: Gasboy, Maint: City of Alexandria? Inventory: Edulog & Fleet Pro

C. Fire Department: Using Fuel: Gasboy and RTA, Maint: RTA & Alloy, Inventory: RTA & Property Tracker

D. Fleet Services: Using Fuel: Gasboy, Maint: FasterCS, Inventory: FasterCS

E. Parks and Recreation: Using Fuel: Gasboy, Maint: FasterCS, Inventory: FasterCS

Synergy opportunity benefits and conclusion:

WSP's recommendations are based on outside research, experience, and surveying of Alexandria's preferences. For continuity and ease, Alexandria fleets should use a product they currently use and like. Survey responses indicated all departments want a simple, functional software tool with mobile applications. The products that best suit these requirements are Gasboy and RTA, which interface well together.

Groups that could benefit from this synergy include:

- DASH
- ACPS *(note that ACPS does not believe benefits will accrue from this synergy)*
- Fire Department
- Fleet Services *(note that Fleet wants to continue with FasterCS)*
- Parks and Recreation

4. Facility Maintenance and Custodial Contract

Overview:

A contract encompassing all five department facilities custodial services.

Current situation by department:

A. DASH: Serviced by individual contract or department staff.

B. ACPS: Serviced by individual contract or department staff.

C. Fire Department: Serviced by individual contract or department staff.

D. Fleet Services: Serviced by individual contract or department staff.

E. Parks and Recreation: Serviced by individual contract or department staff.

Synergy opportunity benefits and conclusion:

Rough estimate of the future square footage of the departments without DASH or the TES/RPCA building, is more than 135,000 square feet of office and vehicle service space.

Benefits include:

- An integrated contract for all these facilities encompassing facility maintenance and one for custodial services would present opportunities for cost saving due to scope of work required for the routine cleaning and maintenance of the combined size of these campus facilities.

Groups that could benefit from this synergy include:

- DASH
- ACPS *(note that ACPS does not believe benefits will accrue from this synergy)*
- Fire Department
- Fleet Services
- Parks and Recreation

5. Contract Towing Service or Buy HD Wrecker

Overview:

Each of the described departments have towing contracts or arrangements in place for recovery of both disabled or accident vehicles.

Current situation by department:

A. DASH: Uses Waggy's Towing

B. ACPS: Uses contractor but not named

C. Fire Department: Uses Henry's Towing and Redman Fleet Services and Towing. AFD has special towing concerns for 60,000 to 80,000-pound apparatus.

D. Fleet Services: Using Henry's Towing (for towing vehicles under 10,000 pounds) and Redman Fleet Services and Towing (for towing vehicles over 10,000 pounds).

E. Parks and Recreation: Undetermined

Henry's Towing is under a City contract. Redman Fleet Services and Towing is utilized under a ridable contract from Arlington.

Synergy opportunity benefits and conclusion:

The ability to have one contract for all departments would be expected to drive the cost of towing down. However, the departments are concerned that not all vendors have experience or specialty equipment for towing or recovery of their type of vehicle. City owned towing would require the purchase and staffing of several sizes of towing vehicles as there is not a one-size fits all vehicle. Another concern for having a city owned towing service is the amount of un-productive time for the equipment and then situations where a piece of equipment is dispatched and needed at a second location requiring the use of a contract service to back-up the city towing service.

Further investigation is required to determine if a "one-vender" contract for towing of all departments vehicles is efficient and cost effective. *(Note that ACPS does not believe benefits will accrue from this synergy)*

None of the fleet operations (DASH, ACPS, AFD, or Fleet Services) support having a City-owned wrecker.

6. Collective Purchasing Contracts

Overview:

It is expected the city has purchasing contracts for each of the departments for certain items. The larger the purchasing value that a contract has, obviously the more the price per unit can be reduced.

Current situation by department:

A. DASH: Using various contracts and sources.

B. ACPS: Using various contracts and sources.

C. Fire Department: Using various contracts and sources.

D. Fleet Services: Using various contracts and sources.

E. Parks and Recreation: Using various contracts and sources.

Synergy opportunity benefits and conclusion:

A study would be recommended to determine which contracts within the departments are "like" and evaluate how they could be integrated for the five department fleets. A simple example could be preventative maintenance vehicle filters. A contract to supply filters for an estimated 1,500 vehicle fleet (total campus fleet) versus 120 school buses should assist in driving the cost downwards.

7. Security Service Contract

Overview:

The current layout of the Witter - Wheeler campus has no manned security that we were aware of. The fleets are not behind a fence and all the shops and lots are open. The Police Department anchored at the west end of the campus probably assists in deterring some of what could occur with such an open area. The DASH facility does have security in that all the DASH owned vehicle are behind secure fences and the facility is locked down with modern security means.

Current situation by department:

A. DASH: Gated and electronic locking.

B. ACPS: None apparent.

C. Fire Department: None apparent.

D. Fleet Services: None apparent. Complained of public coming on property, driving through and using dumpster.

E. Parks and Recreation: Gated with some areas locked.

Synergy opportunity benefits and conclusion:

The master plan should include physical barriers (fencing and gates) to protect the city assets, vehicles and structures. Once the campus is closed, there exists the opportunity to contract a security firm to man the gate(s), sign visitors in and out, patrol the area for intruders, interact with law enforcement and provide employee security.

Groups that could benefit from this synergy include:

- DASH
- ACPS *(note that ACPS does not believe benefits will accrue from this synergy)*
- Fire Department
- Fleet Services
- Parks and Recreation

TECHNOLOGIES

Fleet Maintenance Management Systems (MMS)

Fuel Management Systems (FMS)

Summary

The City of Alexandria houses its maintenance and fueling operation for a variety of city departments such as Fire, Transit (DASH), School bus and Fleet Services in one city owned Witter - Wheeler Campus location as shown in Exhibit 2.1.

It is essential that controls are in place that automatically allow the proper fuels and fluids to be used in the wide variety of vehicles in use by the City of Alexandria as well as the transfer relevant fueling data for use in fleet maintenance management programs.

This study will provide insight to the operational features and functions of a fleet and fuel management system and provide a brief analysis for areas of potential alignment of systems for all the City of Alexandria fleets to use at the Witter - Wheeler Campus.

Exhibit 2.1: Witter - Wheeler Campus

1. Alexandria Police Dept. (ADP)
2. Fuel Island
3. James Luckett Field and Schuyler Hamilton Jones Skateboard Park
4. Alexandria City Schools Transportation Shop/Parking Lot Expansion Site
5. Fire Fleet Maintenance Facility
6. Department of General Services (DGS) Fleet Maintenance Facility
7. TES Maintenance Division
8. Old Driving Alexandria Safely Home (DASH) Facility
9. 24/7 Recycling Center
10. Old Traffic Shop
11. Storage Yard for Materials
12. DASH Impound Lot Expansion Site
13. DASH Facility
14. Transportation and Environmental Services Department (TES) and Recreation Parks and Cultural Activities (RPCA)
15. Witter Field

Background

Fuel management systems provide multiple layers of control and data collection while providing information for use by maintenance departments and inventory control. Control for proper dispensing of fluids to vehicles is crucial to assure that gasoline and diesel fuel are only allowed to be used in the proper vehicles and that mileage and the volume of fuel used is also collected at the time of fueling. The different requirements for engine oils can also be controlled automatically by the fuel management systems ability to recognize the vehicle type and the proper fluids assigned for its use.

Capturing relevant data such as mileage and fuel consumption during the fueling cycle is the most common method of data tracking for preventative maintenance programs. This data can be used by the individual departments to manage maintenance programs, report on vehicle efficiency and other key performance indicators (kpi), track warranty terms (miles, months in service), and provide a long-term history of the vehicles use.

Alternative fuels and electric vehicles are in operation by the City of Alexandria and their use is expected to increase. The data generated during fueling and charging must be captures in the same method as traditional fueling data.

A questionnaire was provided to the four departments: Fire, Transit, General Services and School bus. The responses to those questionnaires were used herein.

Scope

This section has two primary elements:

- Element 1: Review the maintenance management systems and fuel management systems currently utilized by each fleet operation.
- Element 2: Identify any opportunities to share fleet management and fueling information via the use of a shared fleet management system.

A brief review of the features and functions of a fleet and fuel management system will be provided. Additionally, a summary of the systems currently in use by the City of Alexandria fleets at the Witter - Wheeler campus will be described.

Finally, a recommendation for alignment of a fleet management system will be proposed.

Operating concept of a Fleet Maintenance Management system

Managing a fleet of vehicles of different ages, types, uses and maintenance requirements can be complex and costly, and an adequate fleet maintenance management program will aid in enhancing a fleet operation. Vehicles require routine maintenance and a preventative maintenance program is generally the most effective and accepted process to assure long term cost effective operation and vehicle reliability. Unscheduled failures must be repaired, some of which may be under warranty. Staff hours must be monitored to track proper use of resources and parts used require a method to track consumable hardware. A viable fleet maintenance management program will track and monitor these parameters as well as provide additional tools needed for managing fleet operations.

A fleet management system which interfaces with a fuel management system provides opportunity for accurate capture and use of information which then leads to consistent maintenance practices. Mileage accrued daily is the principal element used to determine when maintenance is performed on vehicles which in generally at intervals of approximately 1,000 and 5,000 miles.

A fleet management system will generate preventative maintenance program work orders for individual vehicles based on predetermined mileage intervals. These work orders can then be assigned to maintenance staff where labor hours and parts needed can be tracked and monitored. Parts consumption can be tracked by inventory management for re-order points to assure material is available when needed. A fleet management system may also recognize warranty provisions and flag a failure for review to determine if the repair is warrantable.

Advances in technology allow a vehicle to monitor key systems and report any possible defects for maintenance. Engines, transmission, HVAC, battery management systems, and other key components can interface with a vehicle health monitoring (VHM) system which may be able to communicate with a fleet management system during fueling operations. This feature will require the vehicles to have a way to communicate with the fueling management systems or provide a method to broadcast this data using a local wireless network in the maintenance facility.

Operating principals of a fuel management system

The functionality of a fuel management system begins with the individual vehicles or fleets of vehicles. Each vehicle will have specific fuel and oil requirement as well as possibly other fluids such as DEF for newer diesel engines. Diesel and gasoline as well as compressed natural gas and blended fuels such as biodiesel cannot be intermixed and must be controlled at the dispenser. There are different engine oils based on the manufacturer requirements which must be controlled, and this is the requirement of the fuel management system as well. Engine damage can occur and warranties can be voided by the improper dispensing and use of fuels and oils. To control the dispensers, vehicles are equipped with a transmitter such as an RFiD which provides identification that is unique to that fleet or vehicle. Simpler systems may use a contactless card (smart card) which is used by the service staff to provide access to the controller where specific information such as vehicle number and mileage is manually entered which will then authorize fuel flow.

Transmitters are the recommended media for data collection given the improvements in technology. Radio frequency identification (RFiD) is a rugged, cost effective means to broadcast information short distances that are required for fuel management systems. Individual vehicles can be recognized and dispensing authorized seamlessly. Data collected during the fueling such as quantity dispensed and the date can then be transferred automatically to the maintenance department for eventual analysis. Additionally, data loggers can be mounted to the vehicles that collects mileage in addition to a vehicles health which can be transmitted as well. This data is commonly used in preventive maintenance programs (PMP) as an integral part of a fleet maintenance management program.

An additional feature of a fuel management system is the ability to monitor total fuel consumption and flag inventory control when levels are low enough that re-stocking is recommended. Individual tank volumes are known and the amount of fuel dispensed is captured with each transaction lending to a simple calculation of remaining volume. A system capable of reporting and maintaining adequate fuel supply will be crucial to a fleet fueling program and this process is provided by many full-service fuel management systems.

Examples of fluids or fuel/energy consumption currently in use by the City of Alexandria are listed below in Exhibit 2.2.

Exhibit 2.2: Fuels, Lubes and Energy used at the Witter - Wheeler Campus

Gasoline	Diesel	Electricity	Windshield wash
E-85	CNG	Coolant 50/50 mix	Transmission oil
Bio-Diesel	Hydrogen (fuel cells)	DEF	Ethanol free gasoline[5]
Engine oil 15/40 synthetic	Engine oil 5/30 synthetic	Engine oil 10/30 synthetic	

Element 1 Review the maintenance management systems and fuel management systems currently utilized by each fleet operation.

Systems in use by the City of Alexandria

The City of Alexandria Schools, Fire Department, Fleet Services, and Dash Transit use five different software tools to track and manage their fuel and fleet management. Exhibit 2.3 shows the variety of software tools used by each department for fuel and maintenance as reported in their respective fleet study data questionnaire.

Exhibit 2.3: Software Products by Category:

Category and "rating" provided by City Departments

User:	Maintenance Management	Fuel Management
Fire Department	RTA "very satisfied"	Gasboy "okay" RTA
ACPS	None currently in use. Plan to integrate with Edulog	Gasboy did not rate
DASH	RTA "very satisfied"	Fleetwatch did not rate
Fleet Services	FasterCS "very satisfied and moving to the web version"	Gasboy "satisfied"

A summary of the functionality of each software tool currently used by the City of Alexandria are listed below.

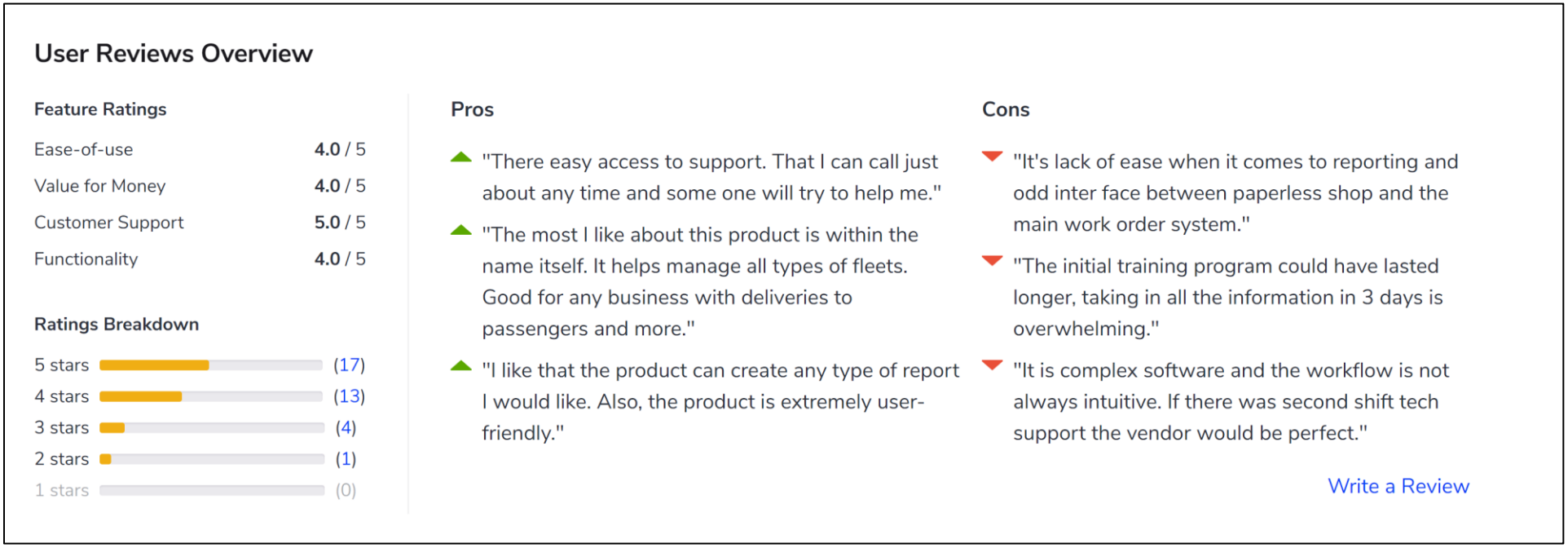
Maintenance Management Systems

RTA

RTA is fleet management software that offers asset management, preventative maintenance tracking, work order and inventory management. Work orders are created which are then used by maintenance personnel to perform various repairs. These work orders track labor and parts costs per vehicle and are used by Maintenance to monitor vehicle performance, warranty, maintenance costs, and parts consumption. Through its "Work Order Module" RTA tracks fluid levels, vehicle status, parts inventory, tires, and more. The software comes with over 160 pre-determined reports and has the option for customization. The software interfaces well with Gasboy and many other commercial fuel management systems and is available on desktop or mobile app. The feature to interface with the fuel management systems provides the basic data needed for a preventive maintenance program which generally are based on miles traveled or hours of operation.

RTA has received excellent reviews from within Alexandria as well as outside companies as referenced in Exhibit 2.4.

Exhibit 2.4: Reviews of RTA Software by softwareadvice.com



User Reviews Overview

Feature Ratings

Ease-of-use	**4.0** / 5
Value for Money	**4.0** / 5
Customer Support	**5.0** / 5
Functionality	**4.0** / 5

Ratings Breakdown

5 stars	(17)
4 stars	(13)
3 stars	(4)
2 stars	(1)
1 stars	(0)

Pros

- "There easy access to support. That I can call just about any time and some one will try to help me."
- "The most I like about this product is within the name itself. It helps manage all types of fleets. Good for any business with deliveries to passengers and more."
- "I like that the product can create any type of report I would like. Also, the product is extremely user-friendly."

Cons

- "It's lack of ease when it comes to reporting and odd inter face between paperless shop and the main work order system."
- "The initial training program could have lasted longer, taking in all the information in 3 days is overwhelming."
- "It is complex software and the workflow is not always intuitive. If there was second shift tech support the vendor would be perfect."

Write a Review

https://www.softwareadvice.com/fleet-management/rta-fleet-profile/

Faster CS

Faster CS is an asset management software tool which advertises lifecycle asset management. It tracks product acquisition, preventive maintenance, warranty capture, and disposal. This software tool maintains a parts inventory which tracks equipment parts from procurement and manages outside vendor maintenance. It also tracks labor, both in house and contracted, and manages fleetwide campaigns.

Exhibit 2.5 shows examples of Faster CS's advertised reporting capabilities.

Exhibit 2.5: Faster CS Reporting

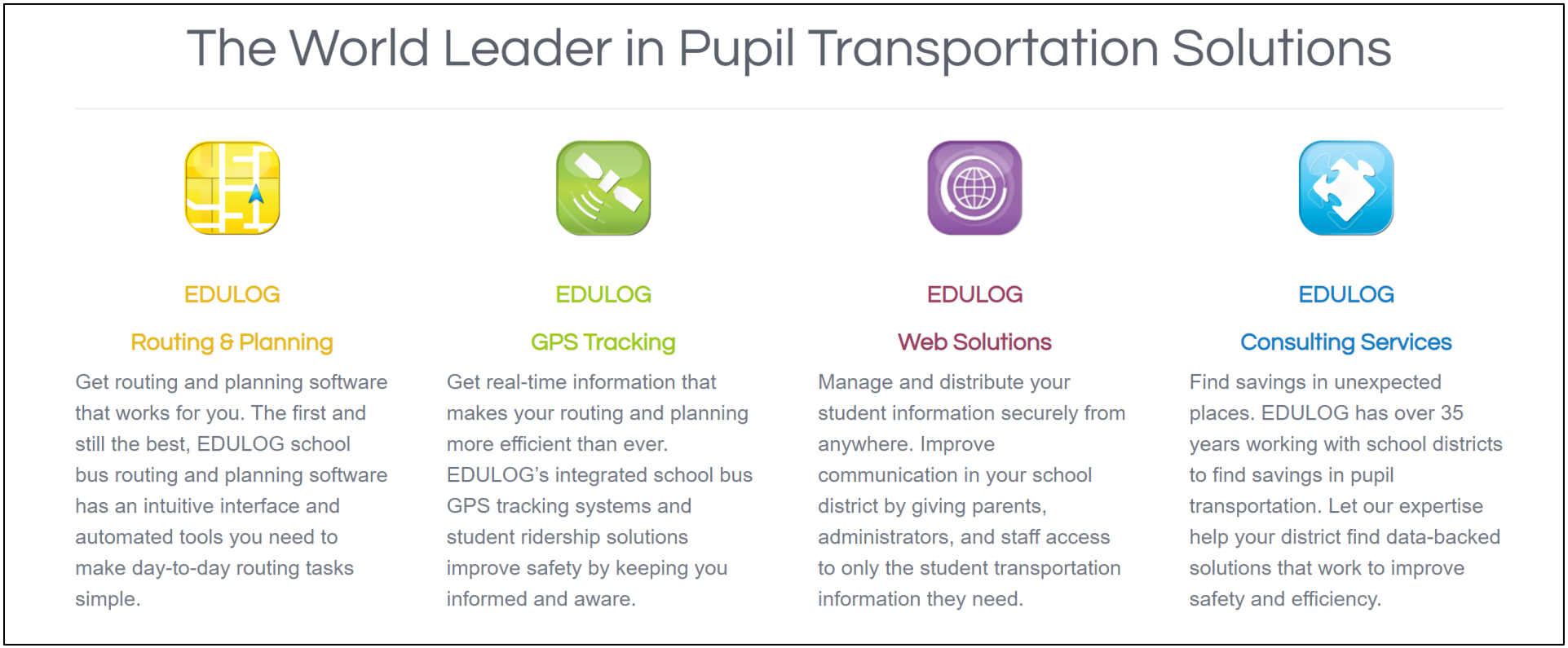
REPORTING, BUSINESS INTELLIGENCE, & FLEET ANALYTICS

Feature Overview:

- Standard reports based on fleet and business best practices
- Powerful, comprehensive searching capability for fast onscreen viewing of data throughout the system
- Quick exporting of any search results data to Excel, Word and CSV and any standard report to XML, CSV, PDF, Excel or Word
- Native web deployment of reports
- Ability to create custom reports using SQL Reporting Services or Crystal Reports
- Dashboard Add-on providing easily accessible at-a-glance overview of the Key Performance Indicators (KPIs) of a user's fleet
- Customization of Dashboard Add-on KPIs available to meet a fleet's specific needs

EDULOG

EDULOG advertises its ability to save school districts money through intelligent route planning. Their website does not currently advertise fleet or facilities maintenance software. The school district believes this functionality will come in the next update.



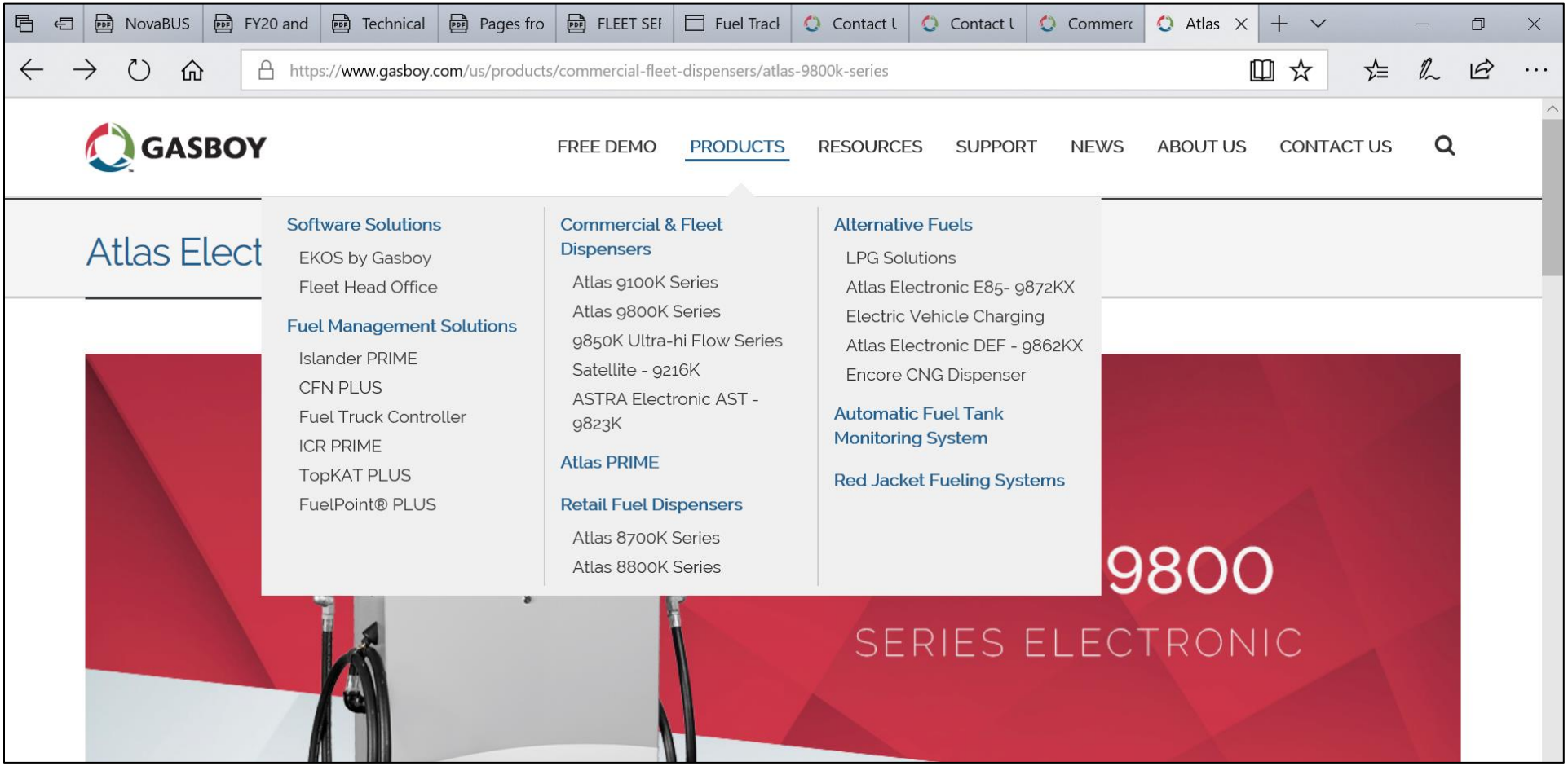
Fuel Management Systems

Gasboy

Gasboy is a full solution provider for fuel management and lists products for a variety of fuel management solutions including CNG and electric energy charging and data collection. Exhibit 2.6 provides a list of products available from Gasboy.

The Gasboy products include a full turn key solution from dispensing, fuel flow monitoring, data transfer, fuel tank monitoring and which interfaces with many maintenance management programs. Gasboy systems have several methods for vehicle mounted transmitters and data transfer methodologies including RFiD. This system is currently in use by three of the four fleet departments operating from the Witter - Wheeler campus.

Exhibit 2.6: Gasboy products

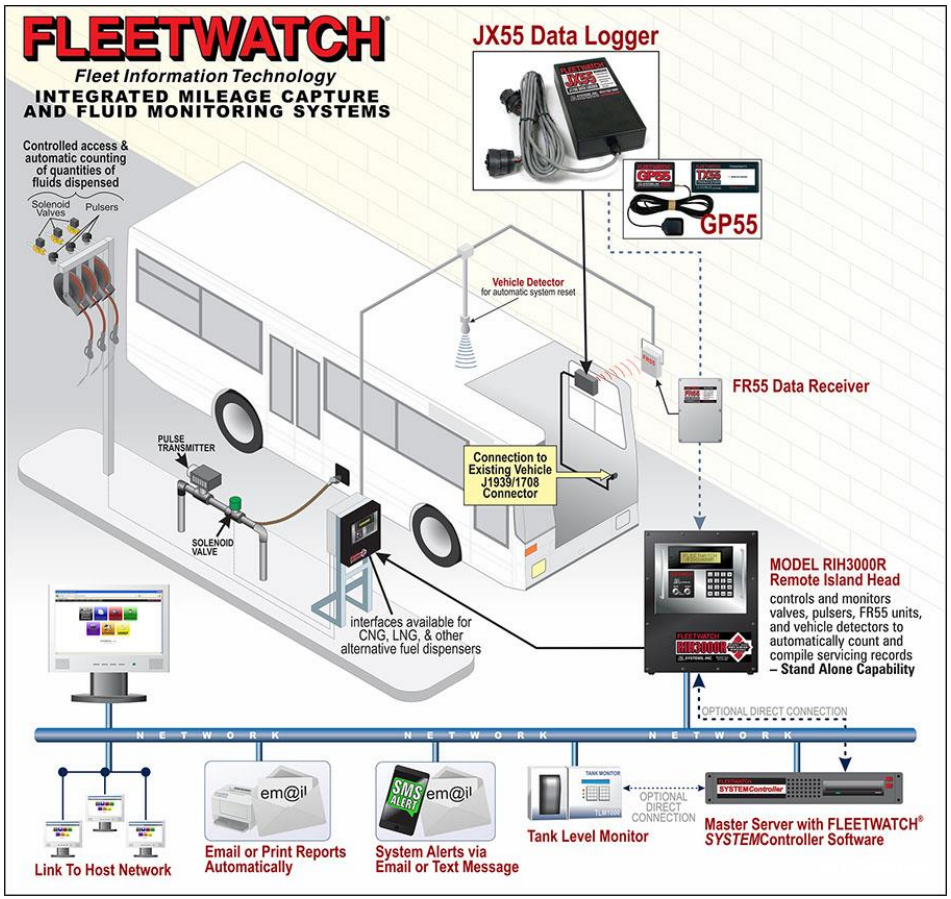


Fleetwatch

Fleetwatch is a fully integrated hardware and software system for fueling, vehicle tracking, and maintenance management system interface. Fleetwatch also requires installation of proprietary data logger and transmitter for data transfer as shown in Exhibit 2.7.

The Fleetwatch systems is a full service turn key solution for fleet operations and data transfer to maintenance management systems. This system is widely used in the transit industry and has a proven track record. It is currently in use of the DASH transit bus system for the City of Alexandria.

Exhibit 2.7: Fleetwatch Fuel Management System Overview



Element 2: Identify any opportunities to share fleet management and fueling information via the use of a shared fleet management system.

Alignment opportunities for a combined and shared fleet management system are possible with some of the systems currently in use. All the City departments at the Witter - Wheeler Campus use either Gasboy or Fleetwatch fuel management systems which offer complete systems. Each fuel management system uses unique vehicle identification and data transfer devices and protocol; however, these can remain as they do not affect the maintenance management.

Based on the questionnaire results, the Fleet Maintenance Program from RTA was rated as a "very satisfied" system by the Fire and Transit departments. The School buses are waiting for a software product upgrade from Edulog which offers an opportunity for alignment with RTA system. Fleet Services, however, is "very satisfied" with the current maintenance management program and is moving to the web version of FasterCS. It does not appear that the end users would require any hardware changes to the vehicles or fueling systems. A license agreement and software product upgrade to the RTA maintenance management by ACPS appears to be a modest and cost-effective approach.

Category and "rating" provided by Each Fleet Group

User:	Maintenance Management	Fuel Management
Fire Department	RTA "very satisfied"	Gasboy "okay"
ACPS	None currently in use. Plan to integrate with Edulog	Gasboy did not rate
DASH	RTA "very satisfied"	Fleetwatch did not rate
Fleet Services	FasterCS "very satisfied and moving to the web version"	Gasboy "satisfied"

Recommendations

Maintenance Management System:

RTA Fleet Management software should be used by all fleet operations, except Fleet Services. AFD and DASH are currently "very satisfied" with the system. A license agreement and software upgrade to RTA by ACPS appears to be a modest and cost-effective approach.

Fuel Management Systems:

1. DASH should continue to use Fleetwatch.
2. Gasboy should be utilized in the new fueling facility.

Note that with pending electrification of at least a portion of the fleet, charge management systems should be evaluated and integrated with the fuel management system, if possible.

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CHAPTER 3 – FACILITY NEEDS ASSESSMENT

FACILITY NEEDS ANALYSIS

EXISTING CONDITIONS

This section begins with the following site plans and floor plans that depict the existing conditions on the Witter - Wheeler Campus that are the subject of this report.

Note that larger 11 x 17 versions of these drawings have been provided separately.

OBSERVATIONS

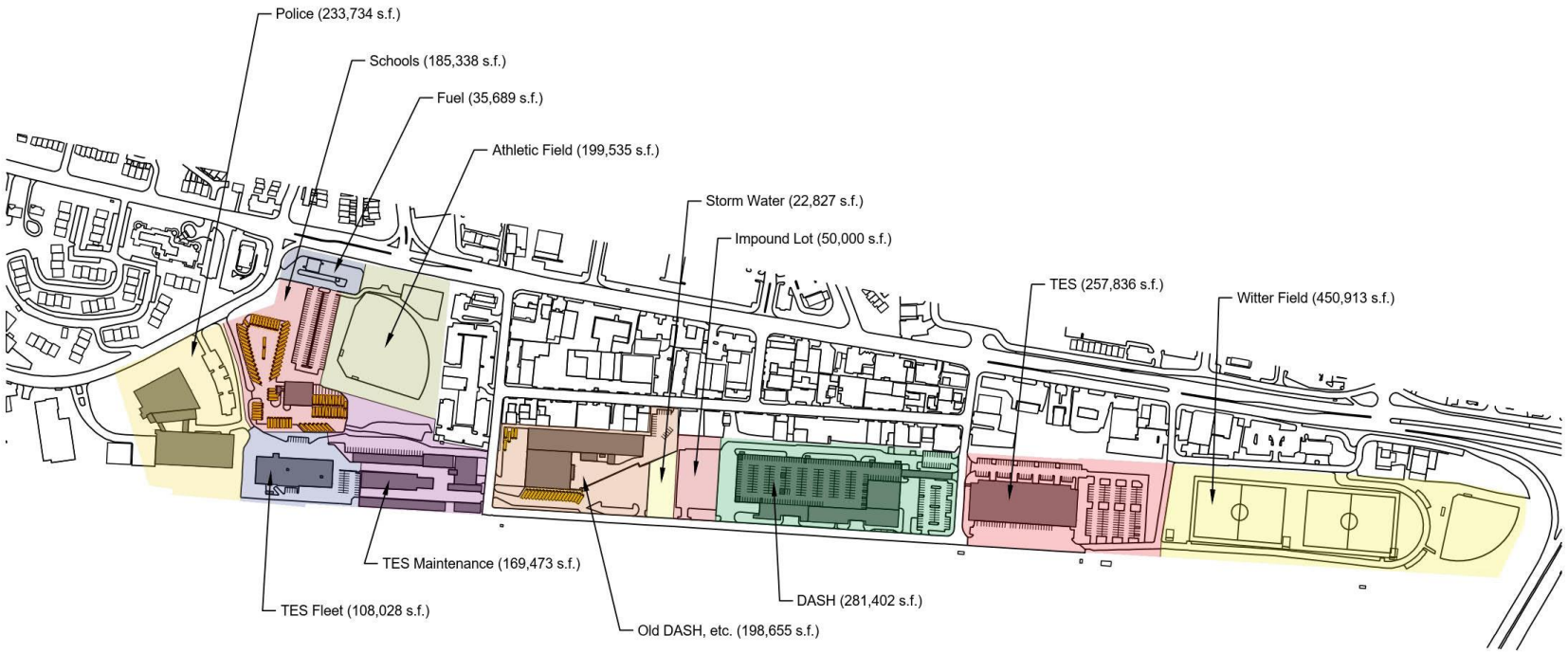
Fuel and Wash

1. Currently have 8 fueling positions (4 diesel and 4 unleaded gas).
2. The number of fueling positions needed will decrease as electric vehicle (EV) fleet increases. Note that City Council will be considering new EV policy in January, 2020.
3. DEF and non-ethanol gas (for small engines) is needed at the fuel island.
4. Access to and from the existing fuel facility is difficult and the fueling facility (and industrial function) fronts on Duke Street (a major arterial). The fueling facility should be located for ease of access and be shielded from the public view.

Space Standards

1. The latest version of the City of Alexandria Workplace Guidelines are to be applied to all facilities on the campus.
2. Repair bays are not properly sized. Repair bays are to be 20-feet wide (industry standard) with the overhead door centered on the bay. Bays adjacent to a wall are to have an additional 5-feet in width next to the wall.
3. Bus parking spaces (DASH and ACPS) to be 14-feet wide to accommodate exercising wheelchair lift/ramp in-place during pre-trip inspection. This will also accommodate BEB charging dispensers and building columns (if needed).
4. Parking spaces for vehicles waiting for maintenance (Down / Ready Line) are inadequate. Dedicated spaces should be provided near repair bays.
5. Vehicle circulation around the Fleet Services and ACPS maintenance facilities is inadequate and vehicles parked in the circulation lanes further restricts movement. Vehicle circulation lanes must be wide enough to allow vehicles to complete a 90-degree turn into the repair bays before crossing the plane of the overhead door (i.e. not require a 3-point turn).

FACILITY NEEDS ANALYSIS



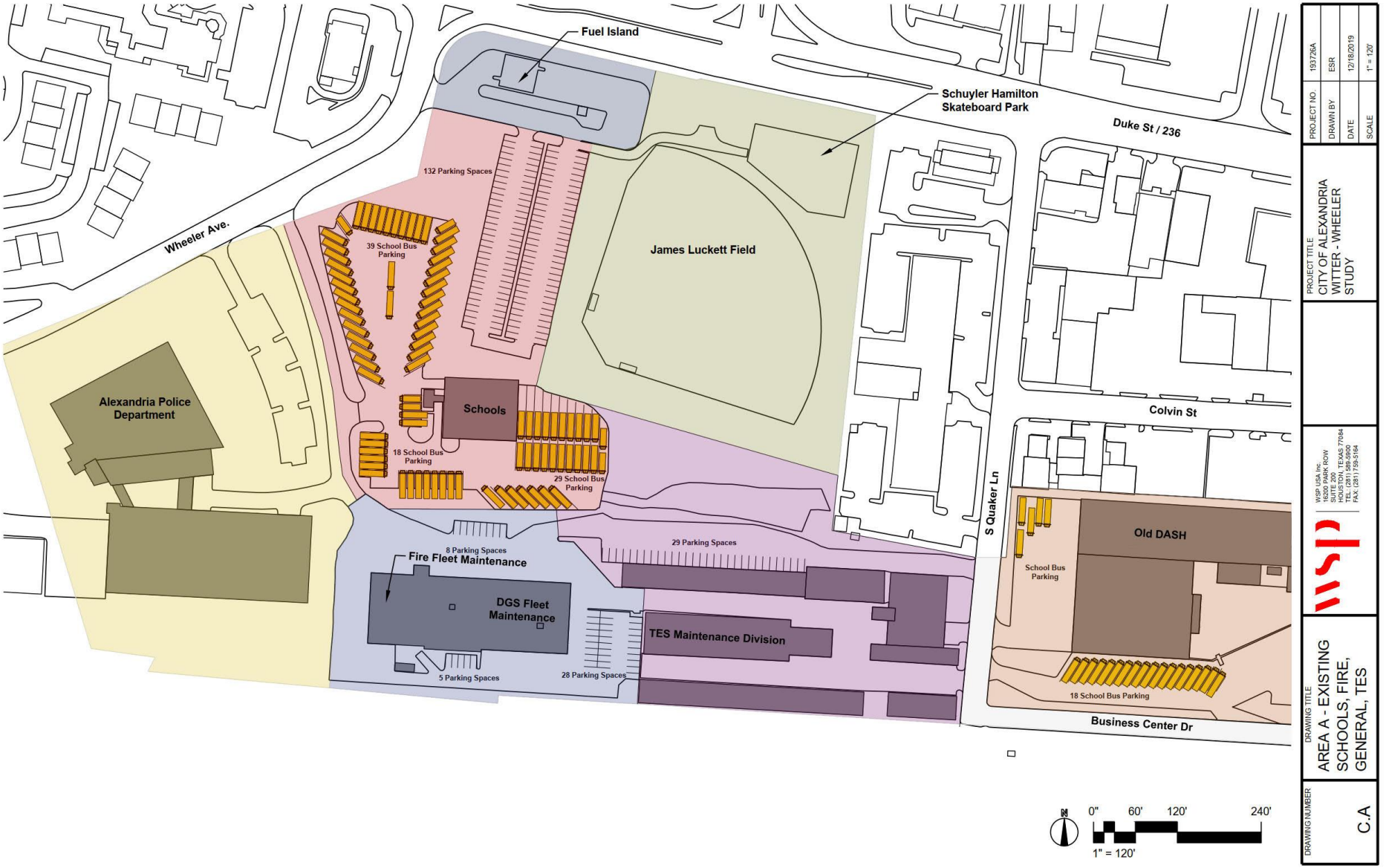
PROJECT NO. 193726A
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 400'

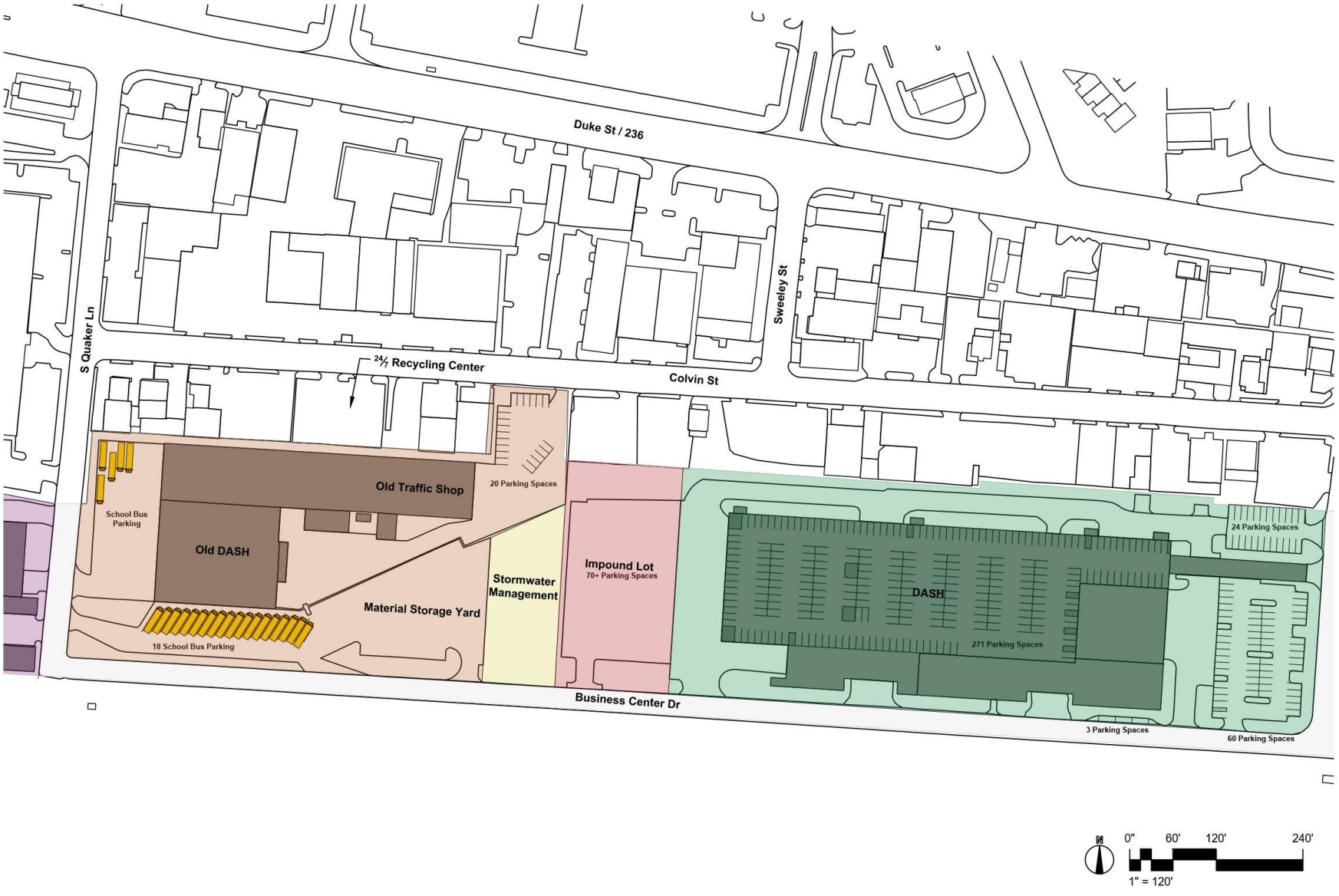
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
OVERALL SITE PLAN
EXISTING

DRAWING NUMBER
C.O


Fuel Island
Schuyler Hamilton Skateboard Park
Duke St / 236
Wheeler Ave.
132 Parking Spaces
39 School Bus Parking
James Luckett Field
Alexandria Police Department
Schools
18 School Bus Parking
29 School Bus Parking
Colvin St
S Quaker Ln
29 Parking Spaces
8 Parking Spaces
Fire Fleet Maintenance
DGS Fleet Maintenance
TES Maintenance Division
5 Parking Spaces
28 Parking Spaces
Old DASH
School Bus Parking
18 School Bus Parking
Business Center Dr
N
0"
60'
120'
240'
1" = 120'
DRAWING NUMBER
C.A
DRAWING TITLE
AREA A - EXISTING SCHOOLS, FIRE, GENERAL, TES
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY
PROJECT NO.
193726A
DRAWN BY
ESR
DATE
12/18/2019
SCALE
1" = 120'



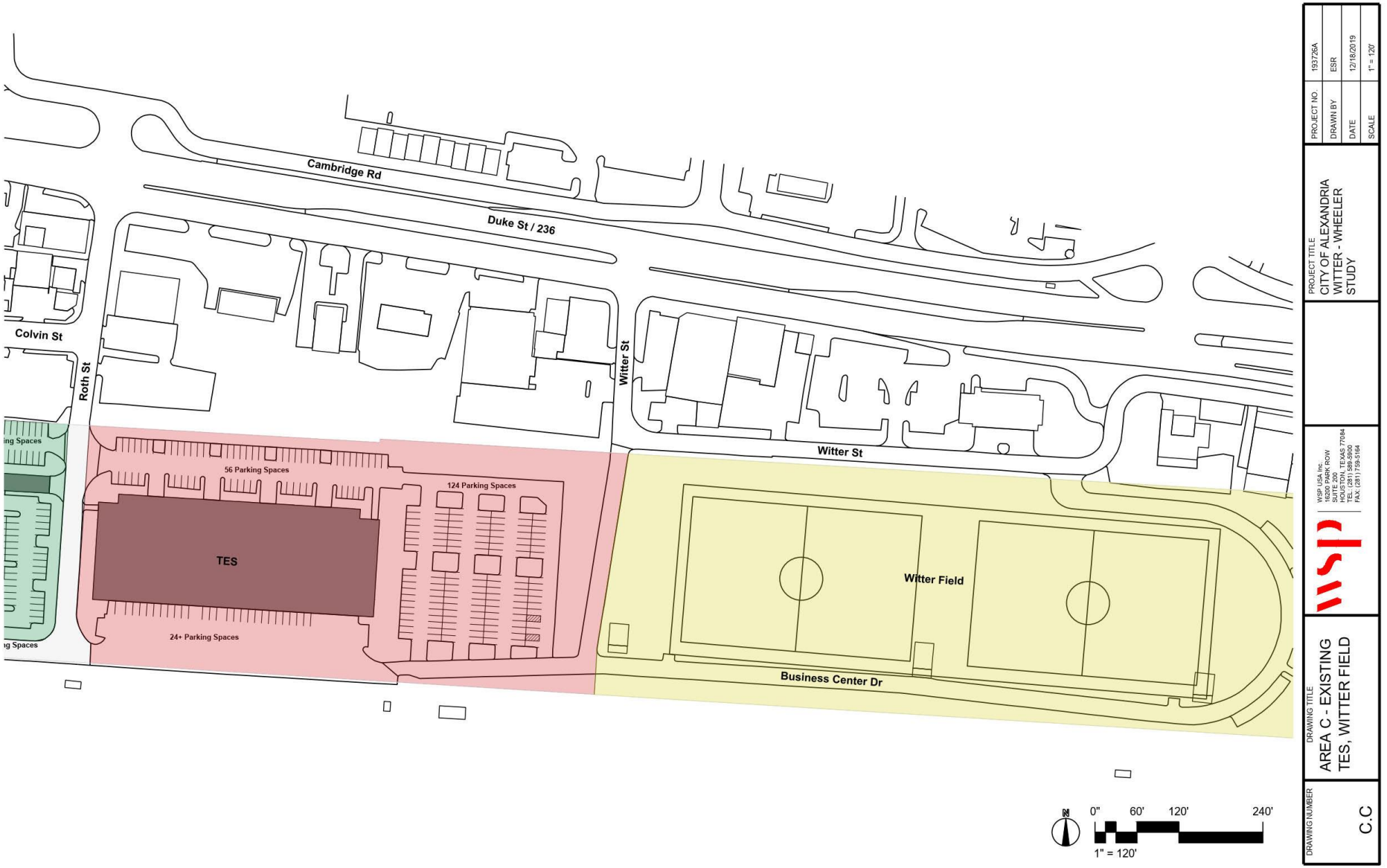
PROJECT NO. 193726A
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 120'

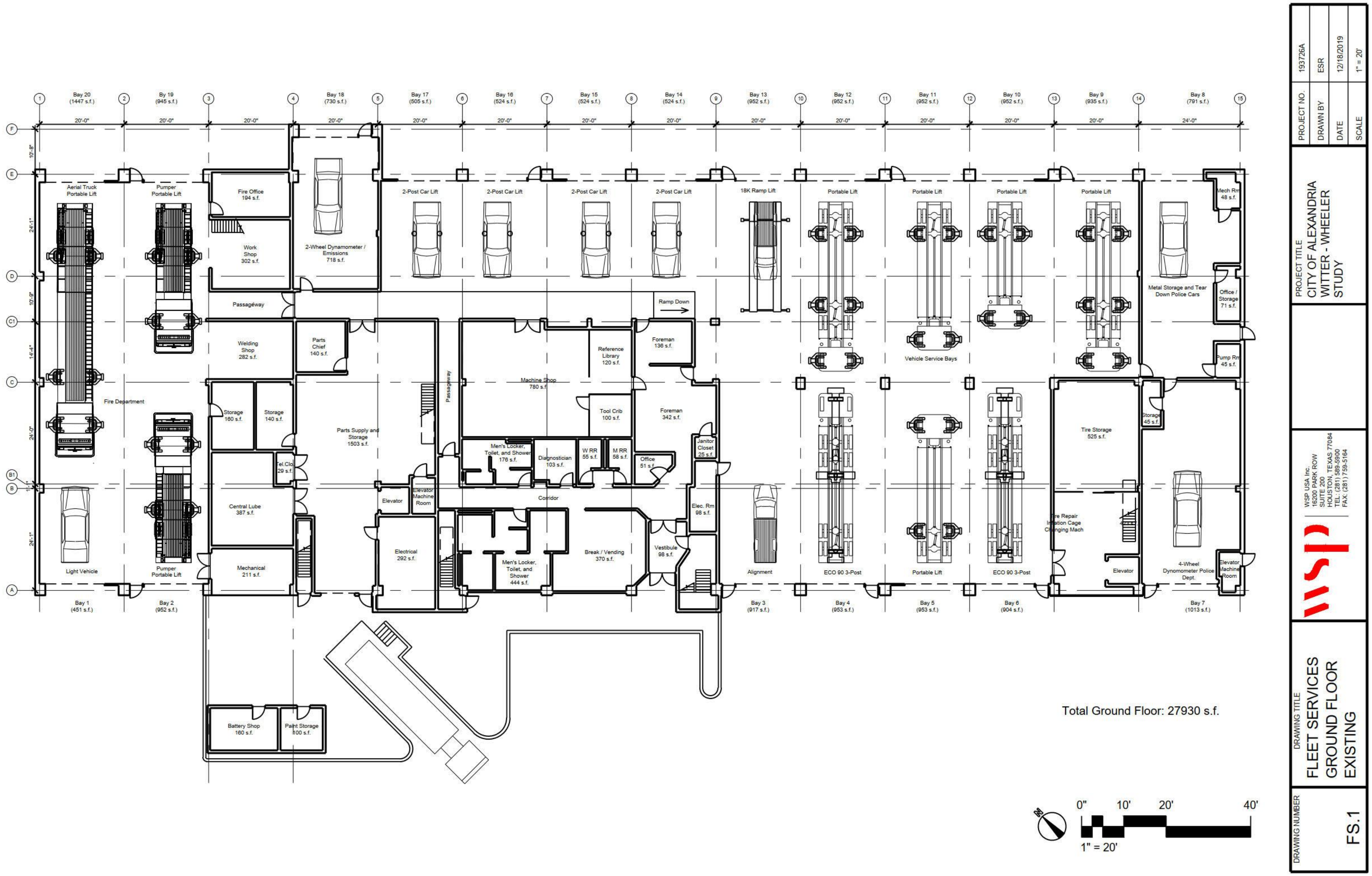
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
AREA B - EXISTING
OLD DASH, STORAGE
DASH

DRAWING NUMBER
C.B


Cambridge Rd
Duke St / 236
Colvin St
Roth St
Witter St
Witter St
56 Parking Spaces
124 Parking Spaces
TES
24+ Parking Spaces
Witter Field
Business Center Dr
N
0"
60'
120'
240'
1" = 120'
PROJECT NO. 193726A
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 120'
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
DRAWING TITLE
AREA C - EXISTING
TES, WITTER FIELD
DRAWING NUMBER
C.C



Bay 20 (1447 s.f.)
Bay 19 (945 s.f.)
Bay 18 (730 s.f.)
Bay 17 (505 s.f.)
Bay 16 (524 s.f.)
Bay 15 (524 s.f.)
Bay 14 (524 s.f.)
Bay 13 (952 s.f.)
Bay 12 (952 s.f.)
Bay 11 (952 s.f.)
Bay 10 (952 s.f.)
Bay 9 (935 s.f.)
Bay 8 (791 s.f.)
Aerial Truck Portable Lift
Pumper Portable Lift
Fire Office 194 s.f.
Work Shop 302 s.f.
2-Wheel Dynamometer / Emissions 718 s.f.
2-Post Car Lift
18K Ramp Lift
Portable Lift
Metal Storage and Tear Down Police Cars
Mech Rm 48 s.f.
Office / Storage 71 s.f.
Pump Rm 45 s.f.
Passageway
Ramp Down
Welding Shop 282 s.f.
Parts Chief 140 s.f.
Machine Shop 780 s.f.
Reference Library 120 s.f.
Foreman 136 s.f.
Vehicle Service Bays
Fire Department
Storage 160 s.f.
Storage 140 s.f.
Parts Supply and Storage 1503 s.f.
Tool Crib 100 s.f.
Foreman 342 s.f.
Tire Storage 525 s.f.
Storage 45 s.f.
Men's Locker, Toilet, and Shower 176 s.f.
Diagnostician 103 s.f.
W RR 55 s.f.
M RR 58 s.f.
Office 51 s.f.
Janitor Closet 25 s.f.
Tel.Clo 29 s.f.
Central Lube 387 s.f.
Elevator
Elevator Machine Room
Corridor
Elec. Rm 98 s.f.
Electrical 292 s.f.
Men's Locker, Toilet, and Shower 444 s.f.
Break / Vending 370 s.f.
Vestibule 98 s.f.
Tire Repair Inflation Cage Changing Mach
Mechanical 211 s.f.
Light Vehicle
Pumper Portable Lift
Alignment
ECO 90 3-Post
Portable Lift
ECO 90 3-Post
4-Wheel Dynomometer Police Dept.
Elevator Machine Room
Bay 1 (451 s.f.)
Bay 2 (952 s.f.)
Bay 3 (917 s.f.)
Bay 4 (953 s.f.)
Bay 5 (953 s.f.)
Bay 6 (904 s.f.)
Bay 7 (1013 s.f.)
Battery Shop 160 s.f.
Paint Storage 100 s.f.
Total Ground Floor: 27930 s.f.
0" 10' 20' 40'
1" = 20'
PROJECT NO. 193726A
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 20'
PROJECT TITLE
CITY OF ALEXANDRIA WITTER - WHEELER STUDY
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
DRAWING TITLE
FLEET SERVICES GROUND FLOOR EXISTING
DRAWING NUMBER
FS.1

Total Second Floor: 9270 s.f.

0" 10' 20' 40'

1" = 20'

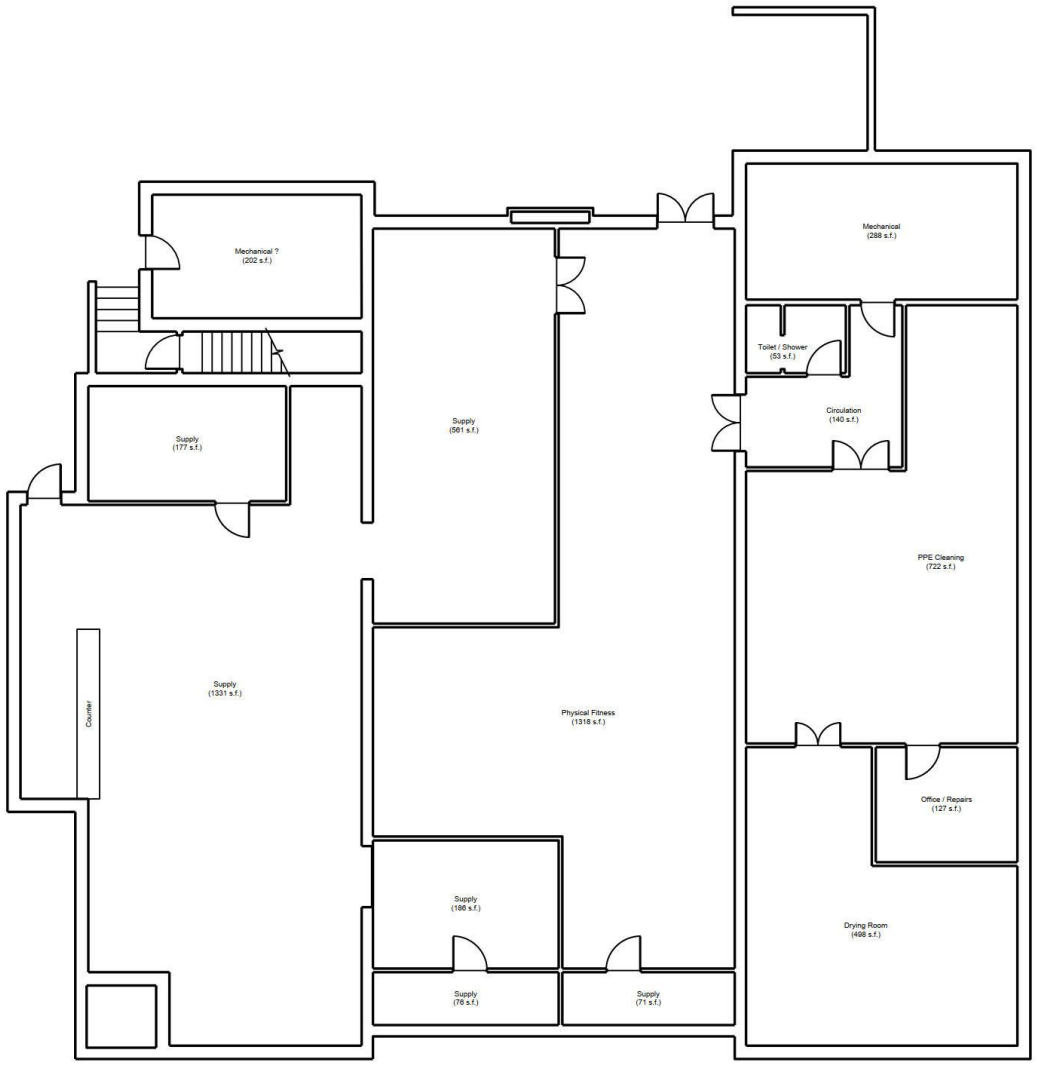
PROJECT NO.	193726A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 20'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1200 PARK ROW
SUITE 350
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
FLEET SERVICES
SECOND FLOOR
EXISTING

DRAWING NUMBER
FS.2



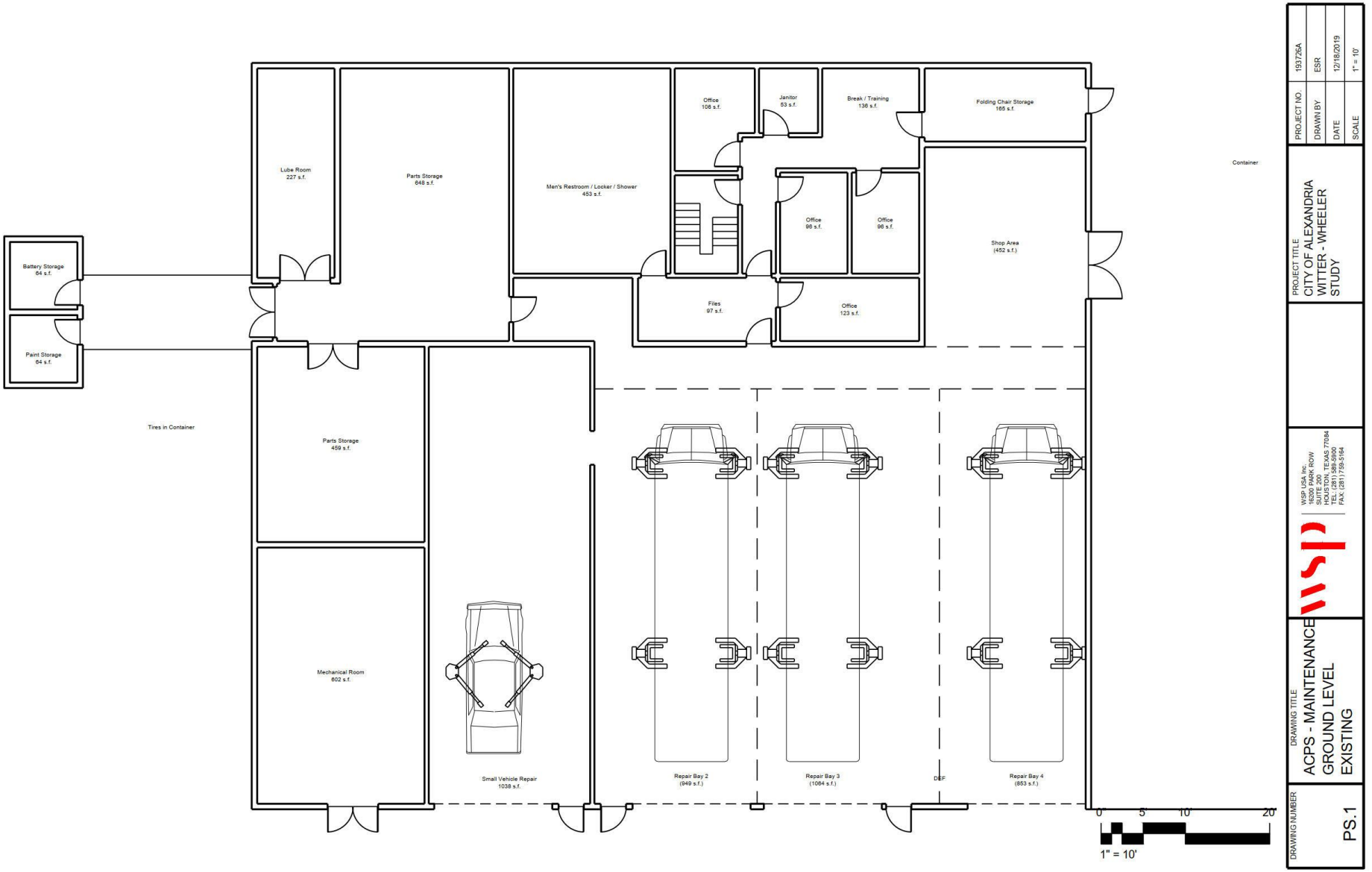
PROJECT NO.	19372A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 10'

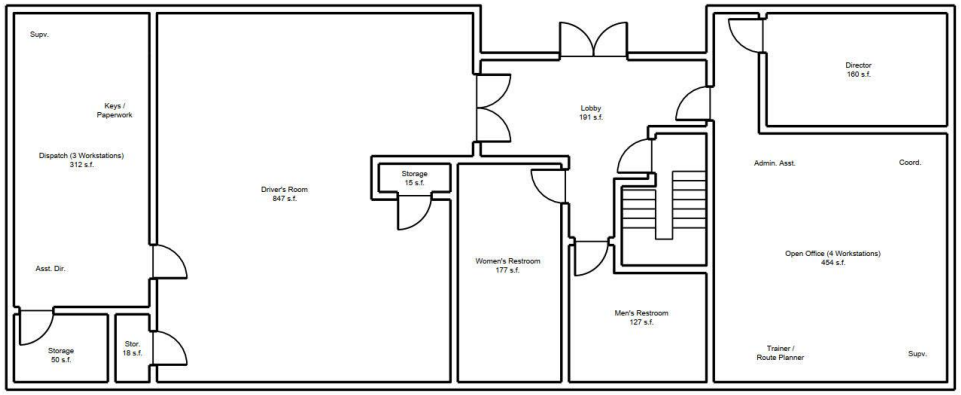
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
FIRE LOGISTICS
FACILITIES-SUPPLIES
EXISTING

DRAWING NUMBER
F.1


Lube Room
227 s.f.
Parts Storage
648 s.f.
Men's Restroom / Locker / Shower
453 s.f.
Office
106 s.f.
Janitor
53 s.f.
Break / Training
136 s.f.
Folding Chair Storage
165 s.f.
Container
Office
96 s.f.
Office
96 s.f.
Shop Area
(452 s.f.)
Battery Storage
64 s.f.
Paint Storage
64 s.f.
Files
97 s.f.
Office
123 s.f.
Tires in Container
Parts Storage
459 s.f.
Mechanical Room
602 s.f.
Small Vehicle Repair
1038 s.f.
Repair Bay 2
(949 s.f.)
Repair Bay 3
(1064 s.f.)
DEF
Repair Bay 4
(853 s.f.)
0
5
10
20
1" = 10'
PROJECT NO.
1937/26A
DRAWN BY
ESR
DATE
12/18/2019
SCALE
1" = 10'
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
DRAWING TITLE
ACPS - MAINTENANCE
GROUND LEVEL
EXISTING
DRAWING NUMBER
PS.1



0" 5' 10' 20'
1" = 10'

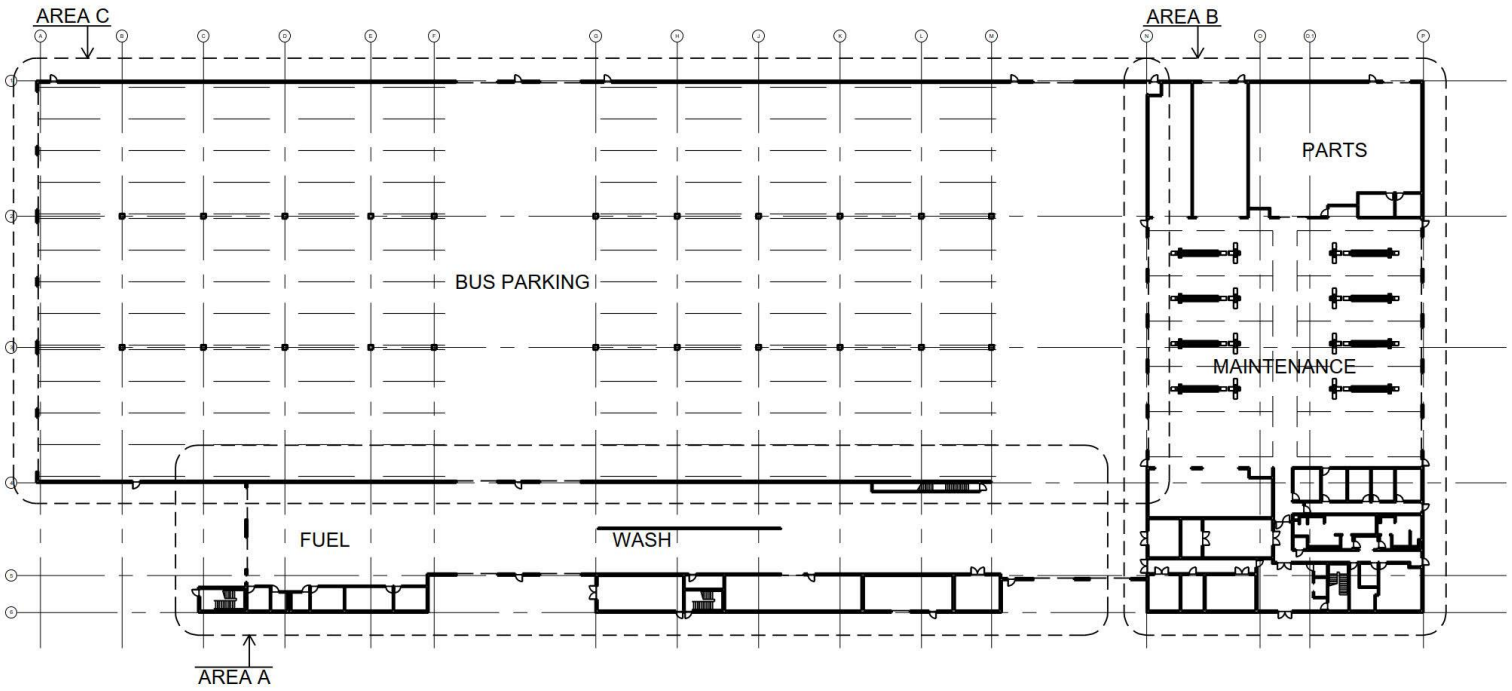
PROJECT NO. 193726A
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 10'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1200 PARK ROW
SUITE 700
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
ACPS - ADMIN / OPS
UPPER LEVEL
EXISTING

DRAWING NUMBER
PS.2



0" 25' 50' 100'
1" = 50'

PROJECT NO.	19372A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 50'

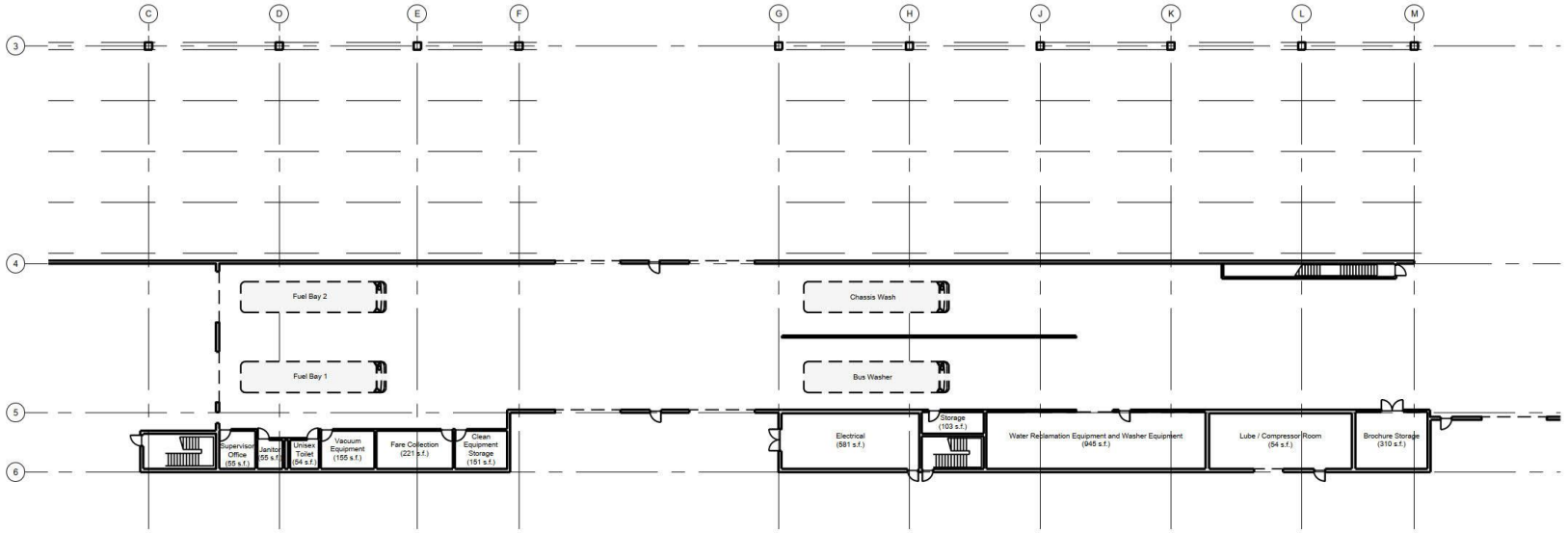
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
DASH
Ground Floor
EXISTING

DRAWING NUMBER
D.1

FACILITY NEEDS ANALYSIS



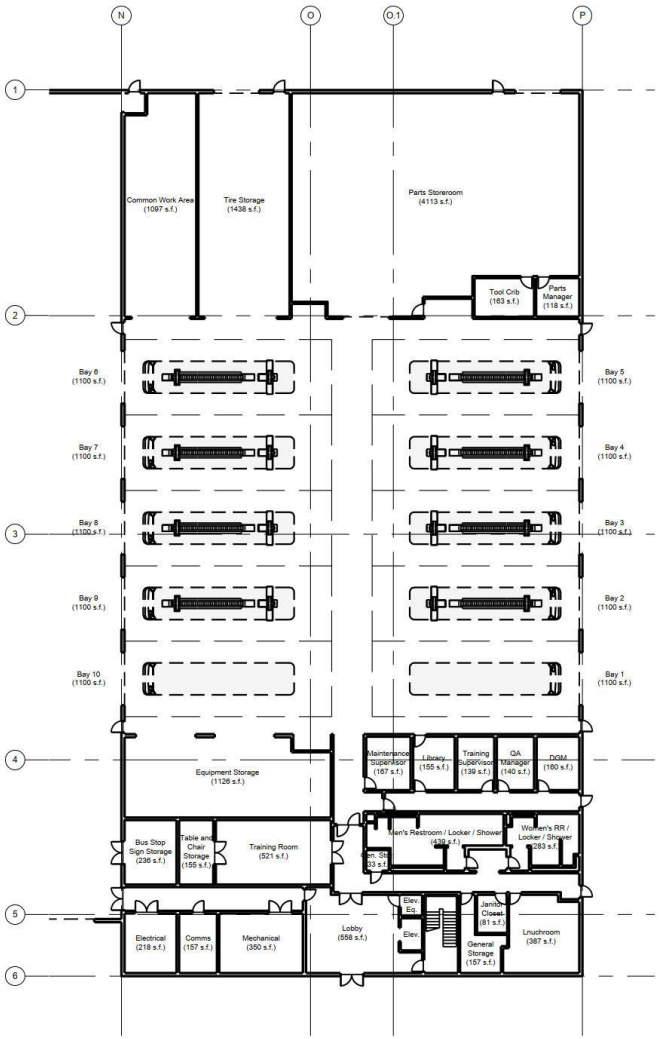
PROJECT NO.	19372A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 30'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
DASH - AREA A
FUEL AND WASH
EXISTING

DRAWING NUMBER
D.2



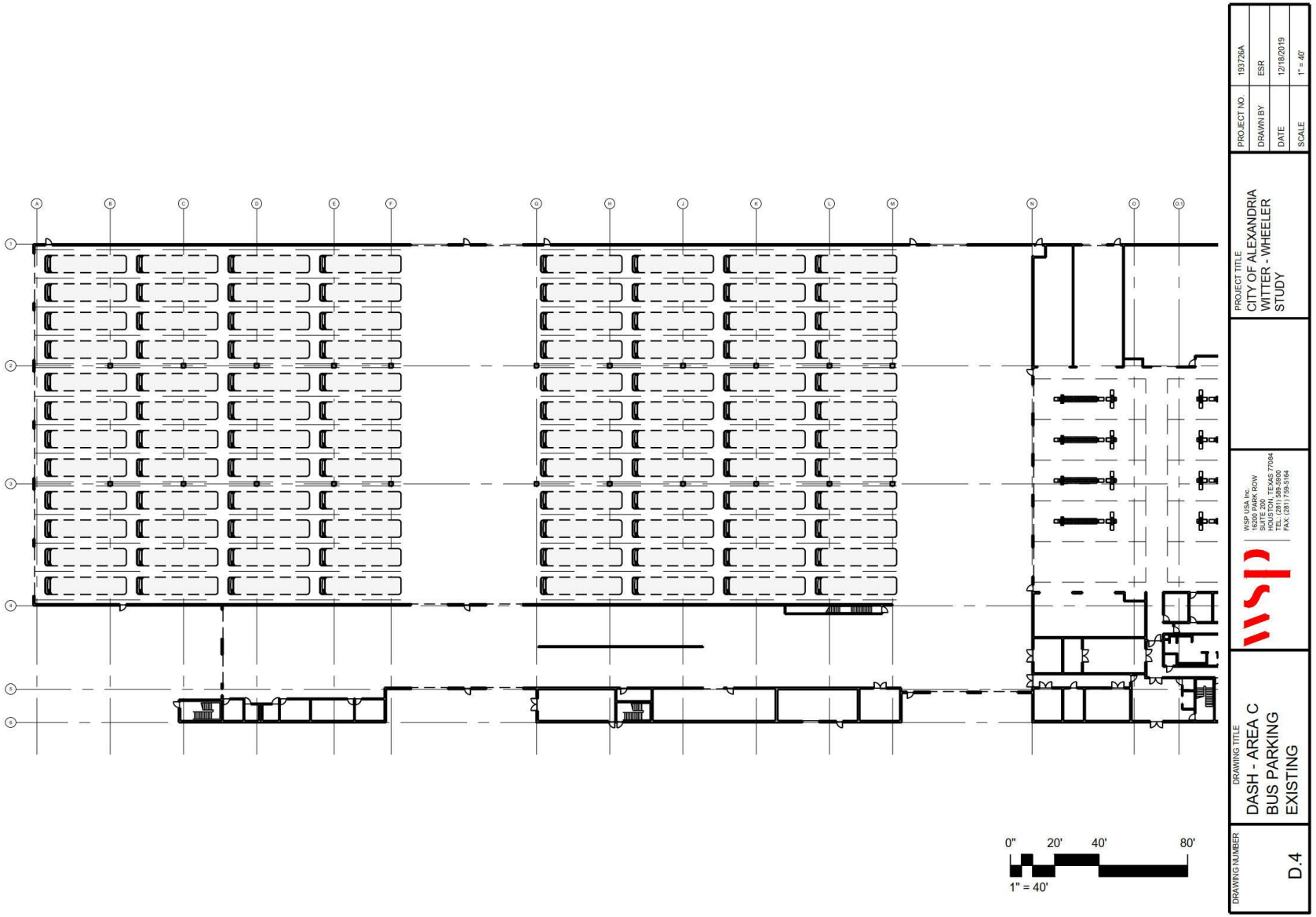
PROJECT NO.	19372A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 30'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER/WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
DASH - AREA B
MAINTENANCE
EXISTING

DRAWING NUMBER
D.3


0"
20'
40'
80'
1" = 40'
PROJECT NO.
193726A
DRAWN BY
ESR
DATE
12/18/2019
SCALE
1" = 40'
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
DRAWING TITLE
DASH - AREA C
BUS PARKING
EXISTING
DRAWING NUMBER
D.4

PRELIMINARY SPACE PROGRAM

The preliminary space program presented herein was developed based on observations made at the existing Witter - Wheeler Campus facilities and discussions during Workshop #1 to identify the functional requirements and operating characteristics of the various facilities. The program includes the following information for each space.

Description The name of the space.

- [A] Alcove Space
- [C] Canopy Covered
- [E] Enclosed Space
- [O] Open Office or Shop Space
- [X] Outdoor Space

Space Standard The standard for each space based on the function, equipment, and furnishings to be accommodated. The standards are given in square feet. Where the configuration of the space is critical, dimensions are given for the space. The size of the repair bays are commonly accepted industry standards.

The City of Alexandria Workplace Guidelines were also followed for office and meeting spaces.

Existing Area Shown to provide a quick comparison of total existing space versus proposed area. Note that the existing area is shown on the drawings on the previous pages and will be reflected in the space program in the final report.

Quantity Identifies the number of spaces to be accommodated.

Area Area in square feet for the proposed space. Note that where a space standard is given, the area equals the space standard times the quantity.

Remarks Lists additional information about the space.

Quantity and Area are provided for 2019, 2024 (5-years), 2029 (10-years), 2039 (20-years), and 2049 (30-years).

The space requirements shown for each function are net usable area. A circulation factor is applied to the total net usable area to arrive at a gross square footage requirement. In addition to circulation, the factor provides for spaces such as mechanical and electrical chases, structure, and width of walls.

The space program begins on the next page with a summary of space needs followed by a detailed program for the following:

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description	Space Standard	Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
			Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
1	**SUMMARY**														
2	Shared Space					10,173		10,173		10,173		10,173		10,173	
3	Training Center					5,983		5,983		5,983		5,983		5,983	
4	Fuel and Wash					11,803		11,803		10,483		10,483		10,483	
5	Body Repair and Paint					-		-		8,800		8,800		8,800	
6	Component Rebuild					-		-		2,100		2,100		2,100	
7	Fleet Services (City of Alexandria)					48,152		48,152		48,152		48,152		48,152	
8	Fire Department Logistics (Fleet)					19,874		19,874		19,874		19,874		19,874	
9	Fire Department Logistics (Facilities & Supplies)					12,703		12,703		12,703		12,703		12,703	
10	ACPS Pupil Transportation (Operations)					11,820		11,976		12,059		12,059		12,059	
11	ACPS Pupil Transportation (Maintenance)					18,068		18,212		18,212		18,212		18,212	
12	**Subtotal Buildings**					**138,576**		**138,876**		**148,540**		**148,540**		**148,540**	
13	Vehicle Maintenance Down / Ready Line					82,180		83,860		85,540		88,900		90,580	
14	ACPS School Bus Parking (Active Fleet)					121,760		133,440		137,600		141,760		145,600	
15	DASH Bus Parking (Additional Needed)					15,680		25,760		36,960		48,160		60,480	
16	Employee / Visitor Parking					71,750		78,750		87,150		89,600		89,950	
17	Training Center Parking					52,500		52,500		52,500		52,500		52,500	
18	COA Vehicle / Equipment Parking					172,795		172,795		172,795		172,795		172,795	
19	**Subtotal Parking**					**516,665**		**547,105**		**572,545**		**593,715**		**611,905**	
20	**SUBTOTAL BUILDING AND PARKING**					**655,241**		**685,981**		**721,085**		**742,255**		**760,445**	
21	Site Circulation	50%				327,621		342,991		360,542		371,127		380,222	
22	Stormwater Management	10%				65,524		68,598		72,108		74,225		76,044	*Note existing is approximately 22,827 SF*
23	Landscaping / Setbacks	10%				65,524		68,598		72,108		74,225		76,044	
24	**TOTAL SITE AREA**	**SF**				**1,113,910**		**1,166,168**		**1,225,844**		**1,261,833**		**1,292,756**	***Assumes all space on ground level***
25		**ACRES**				**25.57**		**26.77**		**28.14**		**28.97**		**29.68**	
26	**COA Police Vehicle / Equipment Parking**					**129,693**		**129,693**		**129,693**		**129,693**		**129,693**	*Assume this is accommodated in the existing multi-level parking deck at the Police Facility.*
27	**Outdoor Test Track**					**26,400**		**26,400**		**26,400**		**26,400**		**26,400**	*Assume this will continue to be done on Business Center Drive.*

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
28	**SHARED SPACE**																		
29	Wellness Center	[E]	20	x	50	1,000	0	-	1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	
30	Mechanics Support Facilities																		
31	Men's Restroom / Locker / Shower	[E]				1,000	0	-	1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	2 T, 2 U, 4 Lav, 2 Shower, 60 full lockers
32	Women's Restroom / Locker / Shower	[E]				300	0	-	1	300	1	300	1	300	1	300	1	300	2 T, 2 Lav, 1 Shower, 10 full lockers
33	Gender Neutral Restroom / Locker / Shower	[E]				170	0	-	1	170	1	170	1	170	1	170	1	170	1 T, 1 Lav, 1 Shower, 4 full lockers
34	Laundry Locker Area	[A]				300	0	-	1	300	1	300	1	300	1	300	1	300	60 half lockers
35	Building Support Spaces																		
36	Custodial Room	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	May need multiple for convenience
37	Mechanical Room	[E]				1,500	0	-	1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	To be confirmed during design
38	Electrical Room	[E]				500	0	-	1	500	1	500	1	500	1	500	1	500	To be confirmed during design
39	IT / Servicer Room	[E]				250	0	-	1	250	1	250	1	250	1	250	1	250	To be confirmed during design
40	Emergency Generator (100% coverage)	[E]				500	0	-	1	500	1	500	1	500	1	500	1	500	To be confirmed during design
41	Hazardous Material Storage	[E]	10	x	20	200	0	-	2	400	2	400	2	400	2	400	2	400	
42	Trash / Recycling Dumpsters																		
43	Tires	[C]	10	x	40	400	0	-	1	400	1	400	1	400	1	400	1	400	Roll off
44	Metal Recycling	[C]	10	x	40	400	0	-	1	400	1	400	1	400	1	400	1	400	Roll off
45	Trash		10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Front load dumpster
46	Cardboard Recycling		10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Front load dumpster
47	Trash / Recycling Dumpsters (For Fire Department)																		Assuming AFD in separate building
48	Metal Recycling	[C]	10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Front load dumpster
49	Trash		10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Front load dumpster
50	Cardboard Recycling		10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Front load dumpster
51	Lube / Compressor Room	[E]	15	x	35	525	0	-	1	525	1	525	1	525	1	525	1	525	
52	Subtotal							-		7,825		7,825		7,825		7,825		7,825	
53	Circulation Factor					30%		-		2,348		2,348		2,348		2,348		2,348	
54	**Total Shared Space**							**-**		**10,173**		**10,173**		**10,173**		**10,173**		**10,173**	

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
55	**TRAINING CENTER**																		
56	Training Room	[E]	15	x	30	450	0	-	6	2,700	6	2,700	6	2,700	6	2,700	6	2,700	Movable partitions. 15 at tables + chairs each. 150 in chairs all open.
57	Table and Chair Storage	[E]	15	x	20	300	0	-	1	300	1	300	1	300	1	300	1	300	
58	Lobby	[E]				750	0	-	1	750	1	750	1	750	1	750	1	750	
59	Vending / Catering Kitchen	[E]	15	x	20	300	0	-	1	300	1	300	1	300	1	300	1	300	
60	Men's Restroom	[E]				300	0	-	1	300	1	300	1	300	1	300	1	300	2 T, 3 U, 4 Lav
61	Women's Restroom	[E]				300	0	-	1	300	1	300	1	300	1	300	1	300	4 T, 4 Lav
62	Gender Neutral Restroom	[E]	8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	1 T, 1 Lav
63	Custodial Room	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	
64	Training Center Management Office	[E]	10	x	12	120	0	-	1	120	1	120	1	120	1	120	1	120	
65	Training Office / Reference Library	[E]	15	x	25	375	0	-	1	375	1	375	1	375	1	375	1	375	4 people (schools)
66	Training Material Storage	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	
67	Subtotal							-		5,439		5,439		5,439		5,439		5,439	
68	Circulation Factor					10%		-		544		544		544		544		544	
69	**Total Training Center**							**-**		**5,983**		**5,983**		**5,983**		**5,983**		**5,983**	
70	**Candidate Physical Ability Test (CPAT) Area**	[E]	120	x	140	16,800	0	-	1	16,800	1	16,800	1	16,800	1	16,800	1	16,800	Share with Arlington, Prince William, Prince George Counties

Note that the CPAT will not be located on the Witter - Wheeler Campus but is listed here to document the need to be accomodated at another, yet to be determined, site.

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March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
71	**FUEL & WASH**																		
72	Fueling Positions	[C]	15	x	40	600	8		8	4,800	8	4,800	6	3,600	6	3,600	6	3,600	
73	Automatic Wash (drive through, automatic)	[E]	20	x	80	1,600	0	-	1	1,600	1	1,600	1	1,600	1	1,600	1	1,600	Brushless???
74	Water Reclaim / Wash Equipment	[E]	12	x	40	480	0	-	1	480	1	480	1	480	1	480	1	480	Adj. to Automatic Wash & Chassis Wash
75	Truck Wash	[E]	25	x	55	1,375	0	-	2	2,750	2	2,750	2	2,750	2	2,750	2	2,750	With catwalks
76	Chassis Wash	[E]	20	x	55	1,100	0	-	1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	With lift???
77	Tank Farm																		Near Fuel Positions
78	Diesel Fuel		0	x	0	-	0	-	0	-	0	-	0	-	0	-	0	-	Above ground tanks if possible
79	Gasoline		0	x	0	-	0	-	0	-	0	-	0	-	0	-	0	-	Above ground tanks if possible
80	Non-Ethanol Gas (for small motors)		0	x	0	-	0	-	0	-	0	-	0	-	0	-	0	-	Above ground tank if possible
81	DEF		0	x	0	-	0	-	0	-	0	-	0	-	0	-	0	-	
82	Subtotal							-		10,730		10,730		9,530		9,530		9,530	
83	Circulation Factor					10%		-		1,073		1,073		953		953		953	Not including drives
84	**Total Fuel & Wash**							**-**		**11,803**		**11,803**		**10,483**		**10,483**		**10,483**	

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March 25, 2020

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						Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
85	**BODY REPAIR & PAINT**	**DASH expressed interest in a shared Body Repair & Paint Facility. It will be difficult to accommodate on the Witter - Wheeler Campus.**																
86	Body Repair Bays	20	x	80	1,600	0	-	0	-	0	-	1	1,600	1	1,600	1	1,600	
87	Paint Prep Bay	30	x	80	2,400	0	-	0	-	0	-	1	2,400	1	2,400	1	2,400	
88	Paint Booth	30	x	80	2,400	0	-	0	-	0	-	1	2,400	1	2,400	1	2,400	Ideally downdraft. Sized for artics.
89	Body Shop	20	x	80	1,600	0	-	0	-	0	-	1	1,600	1	1,600	1	1,600	
90	Portable Equipment Storage					0	-	0	-	0	-	1	-	1	-	1	-	Included in Body Shop area
91	Paint Mix / Storage					0	-	0	-	0	-	1	-	1	-	1	-	Included in Body Shop area
92	Subtotal						-		-		-		8,000		8,000		8,000	
93	Circulation Factor				10%		-		-		-		800		800		800	
94	**Total Body Repair & Paint**						**-**		**-**		**-**		**8,800**		**8,800**		**8,800**	
95	**COMPONENT REBUILD**	**DASH expressed interest in a shared Component Rebuild Shop. This could be accommodated with a renovation / expansion of the DASH maintenance area.**																
96	Major Component Rebuild Station	15	x	20	300	0	-	0	-	0	-	2	600	2	600	2	600	
97	Minor Component Rebuild Station	10	x	10	100	0	-	0	-	0	-	2	200	2	200	2	200	All of these spaces would be located in an enclosed area with the 15' x 20' spaces on one side of a 10-foot wide forklift aisle. The 10-foot wide spaces would be on the opposite side of the forklift aisle.
98	Common Work Area (Machine Shop)	10	x	20	200	0	-	0	-	0	-	1	200	1	200	1	200	
99	Welding Area	10	x	20	200	0	-	0	-	0	-	1	200	1	200	1	200	
100	Test Cell [E]	15	x	20	300	0	-	0	-	0	-	1	300	1	300	1	300	
101	Subtotal						-		-		-		1,500		1,500		1,500	
102	Circulation Factor				40%		-		-		-		600		600		600	10-foot side forklift aisle.
103	**Total Component Rebuild**						**-**		**-**		**-**		**2,100**		**2,100**		**2,100**	

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March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
104	**FLEET SERVICES (City of Alexandria)**																		
105	Division Chief	[E]	12	x	16	192	0	-	1	192	1	192	1	192	1	192	1	192	
106	Management Analyst	[E]	10	x	12	120	0	-	1	120	1	120	1	120	1	120	1	120	
107	Shop Supervisor / Foreman	[E]	12	x	25	300	0	-	1	300	1	300	1	300	1	300	1	300	2 people in one office
108	Open Office																		Adjacent to Customer Waiting Area
109	Diagnostician	[O]	8	x	8	64	0	103	1	64	1	64	1	64	1	64	1	64	
110	Service Advisor	[O]	8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	
111	Copier / Printer	[O]	5	x	10	50	0	-	1	50	1	50	1	50	1	50	1	50	
112	Customer Waiting Area / Mechanic Lunchroom	[E]	15	x	25	375	0	-	1	375	1	375	1	375	1	375	1	375	6 customers + 8 mechanics
113	Vending / Catering Kitchen	[E]	15	x	20	300	0	-	1	300	1	300	1	300	1	300	1	300	
114	Gender Neutral Restroom for Customers	[E]	8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	1 T, 1 Lav
115	Conference Room	[E]	12	x	25	300	0	-	1	300	1	300	1	300	1	300	1	300	10 to 12 people
116	Reference Library / Meeting Room	[E]	12	x	25	300	0	-	1	300	1	300	1	300	1	300	1	300	
117	Heavy Vehicle Repair Bay		20	x	55	1,100			12	13,200	12	13,200	12	13,200	12	13,200	12	13,200	
118	Heavy Vehicle Repair Bays		20	x	49	980	9	8,820											Includes circulation
119	Light Vehicle Repair Bay		20	x	35	700			7	4,900	7	4,900	7	4,900	7	4,900	7	4,900	
120	Light Vehicle Repair Bays		20	x	28	560	4	2,240											Not including raised walk area
121	Contractor Bay (drive through)		20	x	55	1,100			1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	Snow and Tires
122	Special Purpose Bay (drive through)		20	x	55	1,100			1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	Training
123	Alignment Bay		20	x	55	1,100			1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	
124	Dynamometer Bay		20	x	35	700	0	-	2	1,400	2	1,400	2	1,400	2	1,400	2	1,400	End-to-end. One 2-wheel + One 4-wheel
125	Dynamometer Bay		20	x	39	780	1	780											
126	Tire Shop / Storage		20	x	55	1,100	1	948	1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	70 tires (mounted & unmounted)
127	Tire Storage Mezzanine						1	889											
128	Common Work Area / Machine Shop		20	x	55	1,100	1	780	1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	
129	Portable Equipment Storage					1,500	0	-	1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	
130	Tool Box Storage					1,500	0	-	1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	1 per mechanic

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March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
131	Parts Storage	[E]																	**Could be combined with ACPS Fleet**
132	Parts Manager	[E]	10	x	12	120	0	-	1	120	1	120	1	120	1	120	1	120	
133	Parts Clerk	[O]	8	x	8	64	0	-	2	128	2	128	2	128	2	128	2	128	
134	Shipping & Receiving		20	x	25	500	0	-	1	500	1	500	1	500	1	500	1	500	At grade
135	Delivery Truck Area		15	x	60	900	0	-	1	900	1	900	1	900	1	900	1	900	Canopy Covered
136	Parts Storeroom					8,000	1	1,503	1	8,000	1	8,000	1	8,000	1	8,000	1	8,000	Ideally all at grade level
137	Parts Mezzanine						1	2,886											Existing has frieght elevator
138	Tool Crib	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	
139	Battery Storage (pre-fabricated building)		10	x	20	200	0	-	1	200	1	200	1	200	1	200	1	200	30 to 40 batteries
140	Subtotal									40,127		40,127		40,127		40,127		40,127	
141	Circulation Factor					20%				8,025		8,025		8,025		8,025		8,025	
142	**Total Fleet Services (City of Alexandria)**									**48,152**		**48,152**		**48,152**		**48,152**		**48,152**	

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							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
143	**FIRE DEPARTMENT LOGISTICS (FLEET)**																		
144	Fleet Supervisor	[E]	12	x	14	168	0	194	1	168	1	168	1	168	1	168	1	168	
145	Service Writer / Reference Library / Meeting Room	[E]	15	x	20	300	0	-	1	300	1	300	1	300	1	300	1	300	
146	Copy / Workroom	[E]	10	x	12	120	0	-	1	120	1	120	1	120	1	120	1	120	
147	Customer Waiting / Lunchroom / Kitchenette	[E]	20	x	25	500	0	-	1	500	1	500	1	500	1	500	1	500	15 customers + 5 staff
148	Customer Restroom	[E]	8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	1 T, 1 Lav
149	Ladder Truck Repair Bay		20	x	75	1,500			2	3,000	2	3,000	2	3,000	2	3,000	2	3,000	40 to 60-foot long. No roof hatch.
150	Heavy Vehicle (Pumper) Repair Bay		20	x	55	1,100			3	3,300	3	3,300	3	3,300	3	3,300	3	3,300	Up to 40-feet long
151	Work Bay #1 (Aerial Truck)		20	x	96	1,920	1	1,920											Includes circulation
152	Work Bay #2 (Light Vehicle)		20	x	48	960	1	960											Includes circulation
153	Work Bay #3 (Pumper Truck)		20	x	48	960	1	960											Includes circulation
154	Light Vehicle Repair Bay		20	x	35	700			1	700	1	700	1	700	1	700	1	700	Less than 20-feet long.
155	Tire Storage	[E]	20	x	30	600		Incl.	1	600	1	600	1	600	1	600	1	600	50 to 60 truck tires + 10 light vehicle tires + 400 sets of chains Exterior access only
156	Tire Shop (light duty vehicles only)		20	x	20	400		Incl.	1	400	1	400	1	400	1	400	1	400	
157	Common Work Area		20	x	30	600		Incl.	1	600	1	600	1	600	1	600	1	600	With welding table
158	Portable Equipment Storage					1,000		Incl.	1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	
159	Parts Storage	[E]																	See Facilities & Supplies
160	Compressor Room	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	Can be shared
161	Reserve Fleet Storage	[E]																	Heated and enclosed
162	Ladder Truck		12	x	60	720	0	-	2	1,440	2	1,440	2	1,440	2	1,440	2	1,440	
163	Medic Vehicle		12	x	30	360	0	-	4	1,440	4	1,440	4	1,440	4	1,440	4	1,440	
164	Pumper Truck		12	x	35	420	0	-	5	2,100	5	2,100	5	2,100	5	2,100	5	2,100	Including 1 parade pumper
165	Bus		12	x	40	480	0	-	1	480	1	480	1	480	1	480	1	480	
166	Van		10	x	20	200	0	-	1	200	1	200	1	200	1	200	1	200	
167	Subtotal									16,562		16,562		16,562		16,562		16,562	
168	Circulation Factor					20%				3,312		3,312		3,312		3,312		3,312	
169	**Total Fire Department Logistics (Fleet)**									**19,874**		**19,874**		**19,874**		**19,874**		**19,874**	

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						Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
170	**FIRE DEPT. LOGISTICS (FACILITIES & SUPPLIES)**																	
171	**Facilities**																	
172	Facilities Manager Office	12	x	14	168	0	-	1	168	1	168	1	168	1	168	1	168	Josh Pearson
173	Resource Library	15	x	20	300	0	-	1	300	1	300	1	300	1	300	1	300	Drawings, O&M manuals
174	Storage																	Within Supplies Storeroom
175	Conference Room (shared)	12	x	25	300	0	-	1	300	1	300	1	300	1	300	1	300	10 to 12 people. Close to offices.
176	**Supplies**																	
177	Supplies Manager Office	12	x	14	168	0	-	1	168	1	168	1	168	1	168	1	168	Dave Bell
178	PPE Shop																	Adjacent to Storeroom
179	PPE Cleaning	20	x	40	800	1	722	1	800	1	800	1	800	1	800	1	800	
180	PPE Drying Room	20	x	25	500	1	498	1	500	1	500	1	500	1	500	1	500	
181	PPE Repairs	15	x	20	300	1	127	1	300	1	300	1	300	1	300	1	300	
182	Storeroom																	
183	Shipping & Receiving (Staging)				500	0	-	1	500	1	500	1	500	1	500	1	500	
184	Storeroom (Facilities & Supplies) (incl. PPE Storage)				5,000	0	1,910	1	5,000	1	5,000	1	5,000	1	5,000	1	5,000	From City Wide Storage Needs Assessment
185	Parts Storeroom (Fleet)				2,400	1	760	1	2,400	1	2,400	1	2,400	1	2,400	1	2,400	Including battery storage (70)
186	Tool Crib (Fleet) [E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	
187	Subtotal								10,586		10,586		10,586		10,586		10,586	
188	Circulation Factor				20%				2,117		2,117		2,117		2,117		2,117	
189	**Total Fire Dept. Logistics (Facilities & Supplies)**								**12,703**		**12,703**		**12,703**		**12,703**		**12,703**	

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							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
190	**ACPS PUPIL TRANSPORTATION (OPERATIONS)**																		
191	Director	[E]	12	x	14	168	1	160	1	168	1	168	1	168	1	168	1	168	
192	Assistant Director	[E]	12	x	12	144	1		1	144	1	144	1	144	1	144	1	144	Near Dispatch
193	Coordinator (Special Needs)	[E]	10	x	12	120	1		1	120	1	120	1	120	1	120	1	120	
194	Financial Technician	[E]	10	x	12	120	0		0	-	1	120	1	120	1	120	1	120	
195	Visitor / Future Office	[E]	10	x	12	120	0		1	120	1	120	1	120	1	120	1	120	
196	Open Office Area																		
197	Supervisor	[O]	8	x	8	64	2		2	128	2	128	3	192	3	192	3	192	
198	Route Planner	[O]	8	x	8	64	0		1	64	1	64	1	64	1	64	1	64	
199	Administrative Assistant	[O]	8	x	8	64	1	454	1	64	1	64	1	64	1	64	1	64	
200	Copy / Work Room	[E]	10	x	15	150	0		1	150	1	150	1	150	1	150	1	150	
201	Receptionist		8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	Adj. to Lobby
202	Conference Room	[E]	12	x	25	300	0	-	1	300	1	300	1	300	1	300	1	300	10 to 12 people
203	Dispatcher	[E]	12	x	20	240	1	312	1	240	1	240	1	240	1	240	1	240	Three people currently in one office
204	Dispatcher Storage	[E]	8	x	10	80	1	50	1	80	1	80	1	80	1	80	1	80	
205	Driver Check-in Area	[E]	20	x	25	500	0	-	1	500	1	500	1	500	1	500	1	500	Currently in Drivers Lounge. 10 people
206	Drivers Lounge	[E]				3,750	0	847	1	3,750	1	3,750	1	3,750	1	3,750	1	3,750	Existing w/ 41 chairs plus tables; provide for 150 at tables and chairs. The quantity to be provided for should be confirmed during detailed design.
207	Locker Area	[A]				750	0	-	1	750	1	750	1	750	1	750	1	750	Half locker per driver, 150 total
208	Vending / Kitchenette	[A]	15	x	25	375	0	-	1	375	1	375	1	375	1	375	1	375	Sink, counter, 2 microwaves, 2 refrigerators, 2 vending machines Currently in Drivers Lounge
209	Mother's Room	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	
210	Event Storage	[E]	8	x	15	120	1	72	1	120	1	120	1	120	1	120	1	120	

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							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
211	Training	[E]																	See Training Center
212	Uniform Storage	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	
213	Men's Restroom / Shower	[E]				400	1	127	1	400	1	400	1	400	1	400	1	400	2 T, 4 U, 4 Lav, 1 Shower
214	Women's Restroom / Shower	[E]				400	1	177	1	400	1	400	1	400	1	400	1	400	4 T, 4 Lav, 1 Shower
215	Gender Neutral Restroom / Shower	[E]				130	0	-	1	130	1	130	1	130	1	130	1	130	1 T, 1 Lav, 1 Shower
216	Custodial Room	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	
217	IT / Server Room	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	
218	General Storage	[E]	8	x	10	80	0	35	1	80	1	80	1	80	1	80	1	80	
219	Lobby	[E]	15	x	25	375	0	-	1	375	1	375	1	375	1	375	1	375	
220	Vestibule	[E]	8	x	10	80	0	-	1	80	1	80	1	80	1	80	1	80	
221	Security Office	[E]	10	x	10	100	0	-	1	100	1	100	1	100	1	100	1	100	Adj. to Vestibule
222	Subtotal									9,092		9,212		9,276		9,276		9,276	
223	Circulation Factor					30%				2,728		2,764		2,783		2,783		2,783	
224	**Total ACPS Pupil Transportation (Operations)**									**11,820**		**11,976**		**12,059**		**12,059**		**12,059**	

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March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
225	**ACPS PUPIL TRANSPORTATION (MAINTENANCE)**																		
226	Fleet Manager	[E]	12	x	14	168	0	106	1	168	1	168	1	168	1	168	1	168	
227	Shift Leader	[E]	10	x	12	120	0	-	0	-	1	120	1	120	1	120	1	120	
228	Reference Library / Meeting Room	[E]	12	x	15	180	0	-	1	180	1	180	1	180	1	180	1	180	
229	Copy / Workroom	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	Near parts
230	Mechanics Lunchroom / Kitchenette	[E]	15	x	30	450	0	136	1	450	1	450	1	450	1	450	1	450	4 tables + 16 chairs. Shared?
231	Men's Restroom / Locker / Shower	[E]	0	x	0	-	1	453											See Shared Spaces
232	Women's Restroom / Locker / Shower	[E]	0	x	0	-	0	-											See Shared Spaces
233	Gender Neutral Restroom / Locker / Shower	[E]	0	x	0	-	0	-											See Shared Spaces
234	Laundryn Locker Area	[A]	0	x	0	-	0	-											See Shared Spaces
235	Bus Repair Bays (scheduled & unscheduled)		20	x	55	1,100			6	6,600	6	6,600	6	6,600	6	6,600	6	6,600	
236	Work Bay #1		19	x	78	1,482	1	1,482											Includes circulation
237	Work Bay #2		20	x	54	1,080	1	1,080											Includes circulation
238	Work Bay #3		19	x	54	1,026	1	1,026											Includes circulation
239	Work Bay (formerly Small Engine Repair)		19	x	54	1,026	1	1,026											Includes circulation
240	Light Vehicle Repair Bay		20	x	35	700			1	700	1	700	1	700	1	700	1	700	
241	Tire Shop / Storage		20	x	55	1,100		Incl.	1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	Shop for white fleet only. Storage for 50 bus tires + 30 white fleet tires. Evaluate whether this function could be combined with Fleet Services during detailed design.
242	Common Work Area		20	x	55	1,100		Incl.	1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	
243	Portable Equipment Storage					1,000		Incl.	1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	
244	Parts Storage	[E]																	
245	Parts Manager	[E]	10	x	12	120	0	-	1	120	1	120	1	120	1	120	1	120	
246	Parts Clerk Support Specialist II	[O]	8	x	8	64	0	-	1	64	1	64	1	64	1	64	1	64	During detailed design, evaluate whether this spaces could be shared with Fleet Services.
247	Shipping & Receiving		20	x	25	500		Incl.	1	500	1	500	1	500	1	500	1	500	
248	Parts Storeroom					2,400	1	1,110	1	2,400	1	2,400	1	2,400	1	2,400	1	2,400	
249	Tool Crib	[E]	10	x	15	150	0	-	1	150	1	150	1	150	1	150	1	150	
250	Lube / Compressor Room	[E]	15	x	25	375	1	225	1	375	1	375	1	375	1	375	1	375	Could be shared
251	Subtotal									15,057		15,177		15,177		15,177		15,177	
252	Circulation Factor					20%				3,011		3,035		3,035		3,035		3,035	
253	**Total ACPS Pupil Transportation (Maintenance)**									**18,068**		**18,212**		**18,212**		**18,212**		**18,212**	

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
254	**VEHICLE MAINTENANCE DOWN / READY LINE**																		
255	Fleet Services (including Police Department)	[X]																	10% of maintained fleet
256	Light Vehicle	[X]	10	x	20	200	36	7,200	60	12,000	60	12,000	60	12,000	60	12,000	60	12,000	
257	Heavy Vehicle	[X]	12	x	40	480	0	-	30	14,400	30	14,400	30	14,400	30	14,400	30	14,400	
258	Fire Department	[X]																	10% of maintained fleet
259	Ladder Truck	[X]	12	x	60	720	0	-	1	720	1	720	1	720	1	720	1	720	
260	All Other	[X]	12	x	40	480	0	-	8	3,840	8	3,840	8	3,840	8	3,840	8	3,840	
261	Alexandria City Public Schools (ACPS)																		10% of maintained fleet
262	School Bus	[X]	12	x	40	480	0	-	10	4,800	10	4,800	10	4,800	10	4,800	10	4,800	
263	White Fleet	[X]	10	x	20	200	0	-	6	1,200	6	1,200	6	1,200	6	1,200	6	1,200	
264	Spare School Buses or To Be Sold	[X]	12	x	40	480	0	-	20	9,600	22	10,560	24	11,520	28	13,440	30	14,400	
265	DASH Non-Revenue Vehicles	[X]	10	x	20	200	0	-	2	400	2	400	2	400	2	400	2	400	10% of maintained fleet
266		Subtotal					**36**	7,200	**137**	46,960	**139**	47,920	**141**	48,880	**145**	50,800	**147**	51,760	
267		Circulation Factor				75%		5,400		35,220		35,940		36,660		38,100		38,820	
268		**Total Vehicle Maintenance Down / Ready Line**						**12,600**		**82,180**		**83,860**		**85,540**		**88,900**		**90,580**	
269	**ACPS SCHOOL BUS PARKING (Active Fleet)**																		
270	School Bus (Diesel)	[X]	14	x	40	560			103	57,680	100	56,000	97	54,320	94	52,640	90	50,400	
271	School Bus (Electric)	[X]	14	x	40	560			0	-	12	6,720	18	10,080	24	13,440	30	16,800	
272	School Bus (around ACPS facility)	[X]	12	x	40	480	88												
273	School Bus (at Business Center Drive)	[X]	12	x	40	480	18												
274	White Fleet	[X]	10	x	20	200	16		16	3,200	20	4,000	22	4,400	24	4,800	28	5,600	
275		Subtotal						-		60,880		66,720		68,800		70,880		72,800	
276		Circulation Factor				100%		-		60,880		66,720		68,800		70,880		72,800	
277		**Total ACPS School Bus Parking (Active Fleet)**						**-**		**121,760**		**133,440**		**137,600**		**141,760**		**145,600**	

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
278	**DASH BUS PARKING (ADDITIONAL NEEDED)**																		
279	Bus Parking	[E]	14	x	40	560			110	61,600	119	66,640	129	72,240	139	77,840	150	84,000	
280	Less Existing Bus Parking	[E]	14	x	40	560			(96)	(53,760)	(96)	(53,760)	(96)	(53,760)	(96)	(53,760)	(96)	(53,760)	
281	Non-Revenue Vehicles																		Continue to park on roof in employee parking.
282	Subtotal							-	**14**	7,840	**23**	12,880	**33**	18,480	**43**	24,080	**54**	30,240	
283	Circulation Factor					100%		-		7,840		12,880		18,480		24,080		30,240	
284	**Total DASH Bus Parking (Additional Needed)**							**-**		**15,680**		**25,760**		**36,960**		**48,160**		**60,480**	
278	**EMPLOYEE / VISITOR PARKING**																		
279	Fleet Services	[X]	10	x	20	200	0	-	19	3,800	21	4,200	22	4,400	23	4,600	24	4,800	
280	Fire Department	[X]	10	x	20	200	0	-	7	1,400	9	1,800	11	2,200	11	2,200	11	2,200	
281	Alexandria City Public Schools (ACPS)																		
282	Maintenance	[X]	10	x	20	200	0	-	9	1,800	16	3,200	16	3,200	16	3,200	16	3,200	
283	Operations	[X]	10	x	20	200	132	26,400	165	33,000	174	34,800	195	39,000	201	40,200	201	40,200	
284	Visitors	[X]	10	x	20	200	0	-	5	1,000	5	1,000	5	1,000	5	1,000	5	1,000	
285	DASH	[X]																	Existing parking on roof is adequate
286	Subtotal						**132**	26,400		41,000	**225**	45,000	**249**	49,800	**256**	51,200	**257**	51,400	
287	Circulation Factor					75%		19,800		30,750		33,750		37,350		38,400		38,550	
288	**Total Employee / Visitor Parking**							**46,200**		**71,750**		**78,750**		**87,150**		**89,600**		**89,950**	
289	**TRAINING CENTER PARKING**																		
290	Training Center	[X]	10	x	20	200	0	-	150	30,000	150	30,000	150	30,000	150	30,000	150	30,000	
291	Subtotal						**0**	-		30,000	**150**	30,000	**150**	30,000	**150**	30,000	**150**	30,000	
292	Circulation Factor					75%		-		22,500		22,500		22,500		22,500		22,500	
293	**Total Training Center Parking**							**-**		**52,500**		**52,500**		**52,500**		**52,500**		**52,500**	

Includes only vehicle maintenance (Fleet Services + Fire + ACPS) and ACPS Operations and Fire Logistics

FACILITY NEEDS ANALYSIS

Witter Wheeler Fleet Study
Preliminary Space Program

E = Enclosed Space, O = Open Office, C = Canopy Covered, A = Alcove, X = Exterior (outdoor) Space

March 25, 2020

	Description		Space Standard				Existing		2019		5-Years 2024		10-Years 2029		20-Years 2039		30-Years 2049		Remarks
							Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	Qty	Area	
294	**COA VEHICLE / EQUIPMENT PARKING (w/o Police)**																		**See Appendix Page A.19**
295	Extra Large	[C]	12	x	30	360	0	-	64	23,040	64	23,040	64	23,040	64	23,040	64	23,040	
296	Large	[C]	12	x	25	300	0	-	51	15,300	51	15,300	51	15,300	51	15,300	51	15,300	
297	Medium	[C]	10	x	20	200	0	-	209	41,800	209	41,800	209	41,800	209	41,800	209	41,800	
298	Small	[C]	10	x	15	150	0	-	124	18,600	124	18,600	124	18,600	124	18,600	124	18,600	
299		Subtotal					**0**	-	**448**	98,740	**448**	98,740	**448**	98,740	**448**	98,740	**448**	98,740	
300		Circulation Factor				75%		-		74,055		74,055		74,055		74,055		74,055	
301		**Total COA Vehicle / Equipment Parking**						**-**		**172,795**		**172,795**		**172,795**		**172,795**		**172,795**	
302	**COA POLICE VEHICLE / EQUIPMENT PARKING**																		**See Appendix Page A.30**
303	Extra Large	[C]	12	x	30	360	0	-	1	360	1	360	1	360	1	360	1	360	
304	Large	[C]	12	x	25	300	0	-	5	1,500	5	1,500	5	1,500	5	1,500	5	1,500	
305	Medium	[C]	10	x	20	200	0	-	338	67,600	338	67,600	338	67,600	338	67,600	338	67,600	
306	Small	[C]	10	x	15	150	0	-	31	4,650	31	4,650	31	4,650	31	4,650	31	4,650	
307		Subtotal					**0**	-	**375**	74,110	**375**	74,110	**375**	74,110	**375**	74,110	**375**	74,110	
308		Circulation Factor				75%		-		55,583		55,583		55,583		55,583		55,583	
309		**Total COA Police Vehicle / Equipment Parking**						**-**		**129,693**		**129,693**		**129,693**		**129,693**		**129,693**	
310	**ELECTRIC VEHICLE ELECTRICAL EQUIPMENT YARD**																		**To be sized during design, however, these elements (transformers, switchgear, chargers) could be located above the EV parking areas on an overhead deck or overhead framework.**
311	**OUTDOOR TEST TRACK**																		
312	Dedicated Outdoor Test Track	[X]	20	x	1320	26,400	0	-	1	26,400	1	26,400	1	26,400	1	26,400	1	26,400	Brake testing + aerial extension. One quarter mile long minimum.

SPACE CONSTRAINTS

The site plans on the following pages illustrate the areas on the Witter – Wheeler Campus. These plans include:

Dwg #	Drawing Title	Page #
C.0	Overall Site Plan - Existing	3.32
C.A	Area A – Existing Site	3.33
C.B	Area B – Existing Site	3.34
C.C	Area C – Existing Site	3.35

Note that larger 11 x 17 versions of these drawings have been provided separately.

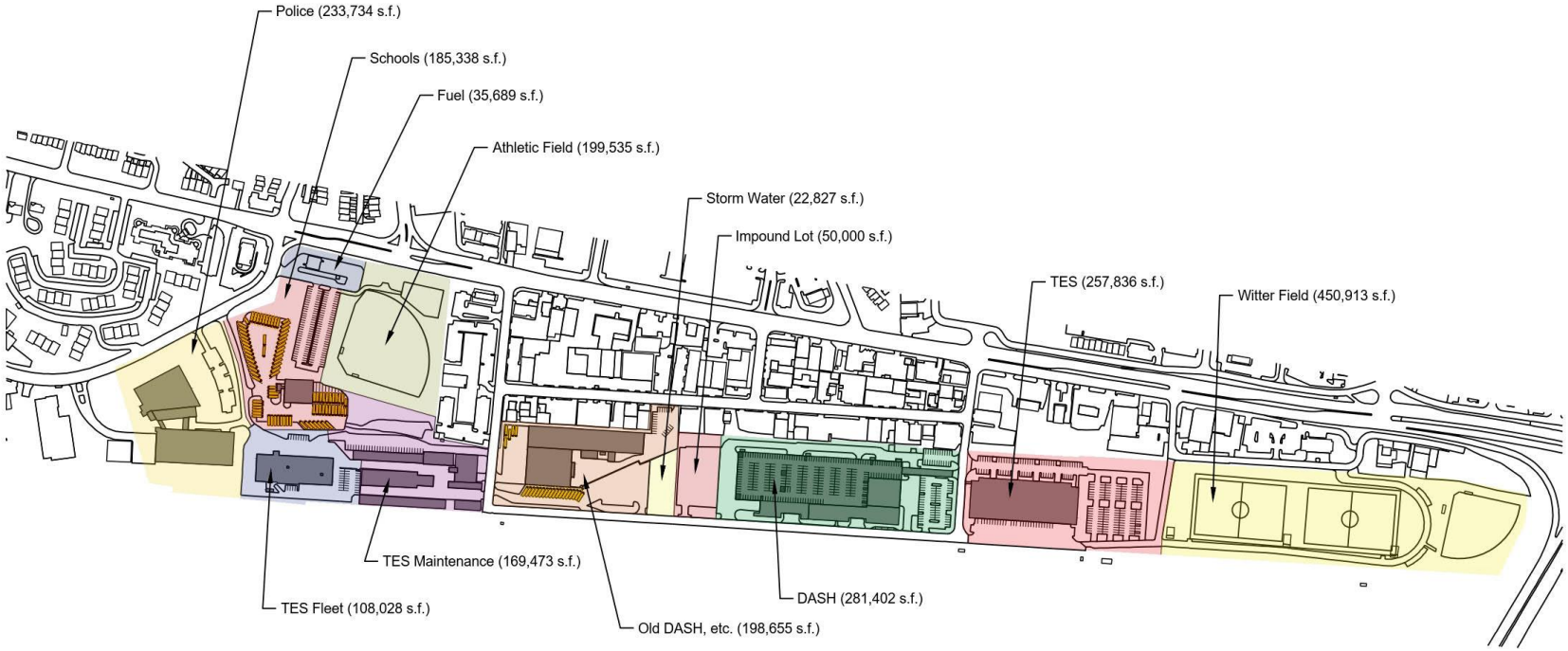
The table to the right shows a summary of the Witter – Wheeler Campus site areas depicted on the drawings. There is a total of approximately 50.35 acres on the campus. Not all this area is available to accommodate the preliminary space program. As shown, only about 16.53 acres are available to accommodate a space need (not including Police vehicle parking) of approximately 29.68 acres, if everything was on one level.

This clearly shows that either some programmed elements must be relocated to another site or multiple levels need to be considered.

The conceptual plans shown in this section illustrate a way to accommodate the program requirements through the use of multiple levels.

Witter = Wheeler Campus Areas

	Area		Available for Program
	SF	Acres	Acres
Police	233,734	5.37	Assume includes Police Vehicle Parking
Schools	185,338	4.25	4.25
Fuel	35,689	0.82	0.82
TES Fleet	108,028	2.48	2.48
TES Maintenance (67%) / Parks & Rec (33%)	169,473	3.89	3.89
James Luckett Field + Skateboard Park	199,535	4.58	Athletic Fields
Old DASH, Traffic Operations, Carpentry	198,655	4.56	4.56
Stormwater Management	22,827	0.52	0.52
Impound Lot	50,000	1.15	DASH Expansion
DASH	281,402	6.46	No Change
TES (67%) / Parks & Rec (33%)	257,836	5.92	No Change
Witter Field	450,913	10.35	Athletic Fields
Total	**2,193,430**	**50.35**	**16.53**
Space Needed	**1,292,756**	**29.68**	



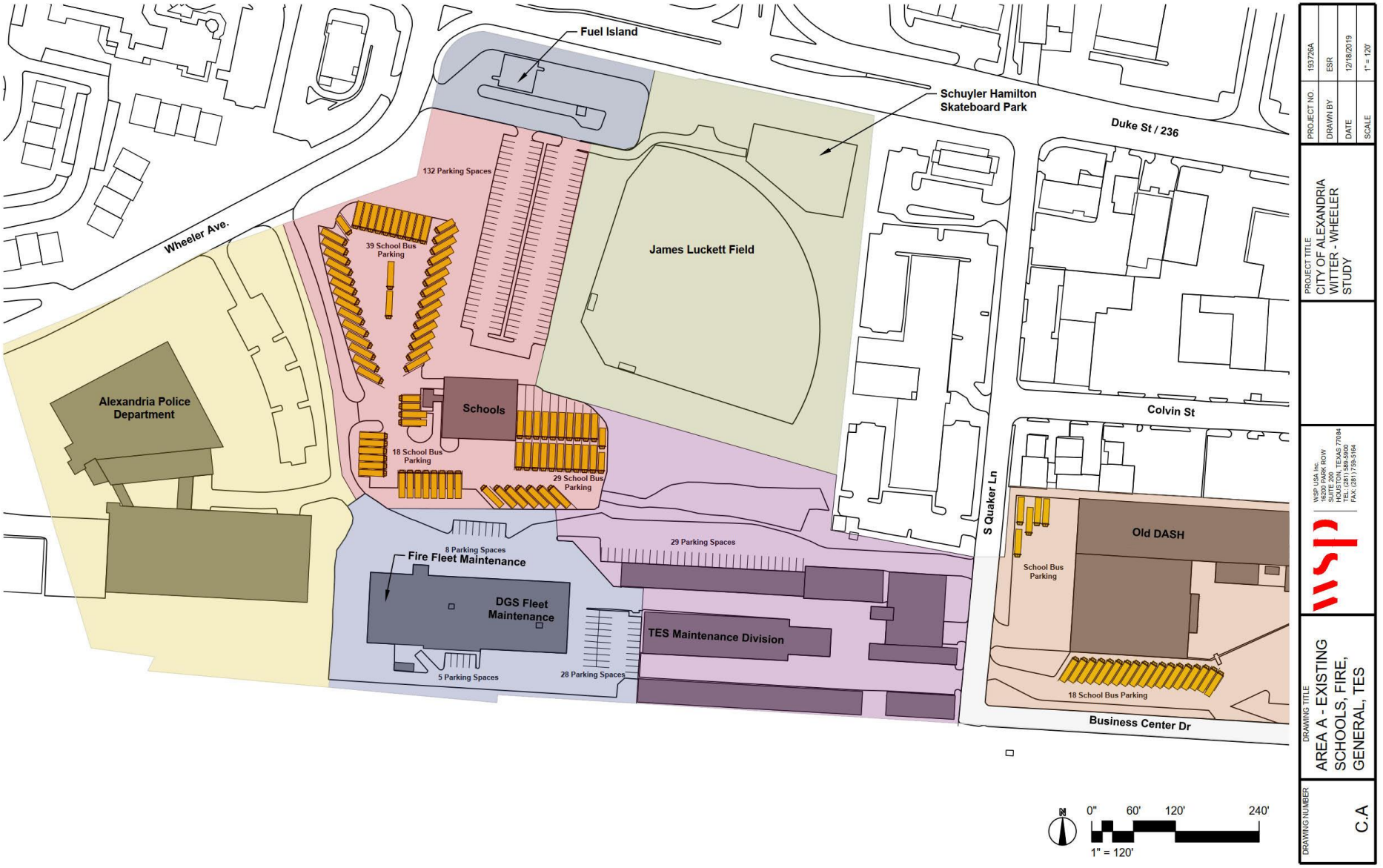
PROJECT NO. 19372GA
DRAWN BY ESR
DATE 12/18/2019
SCALE 1" = 400'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

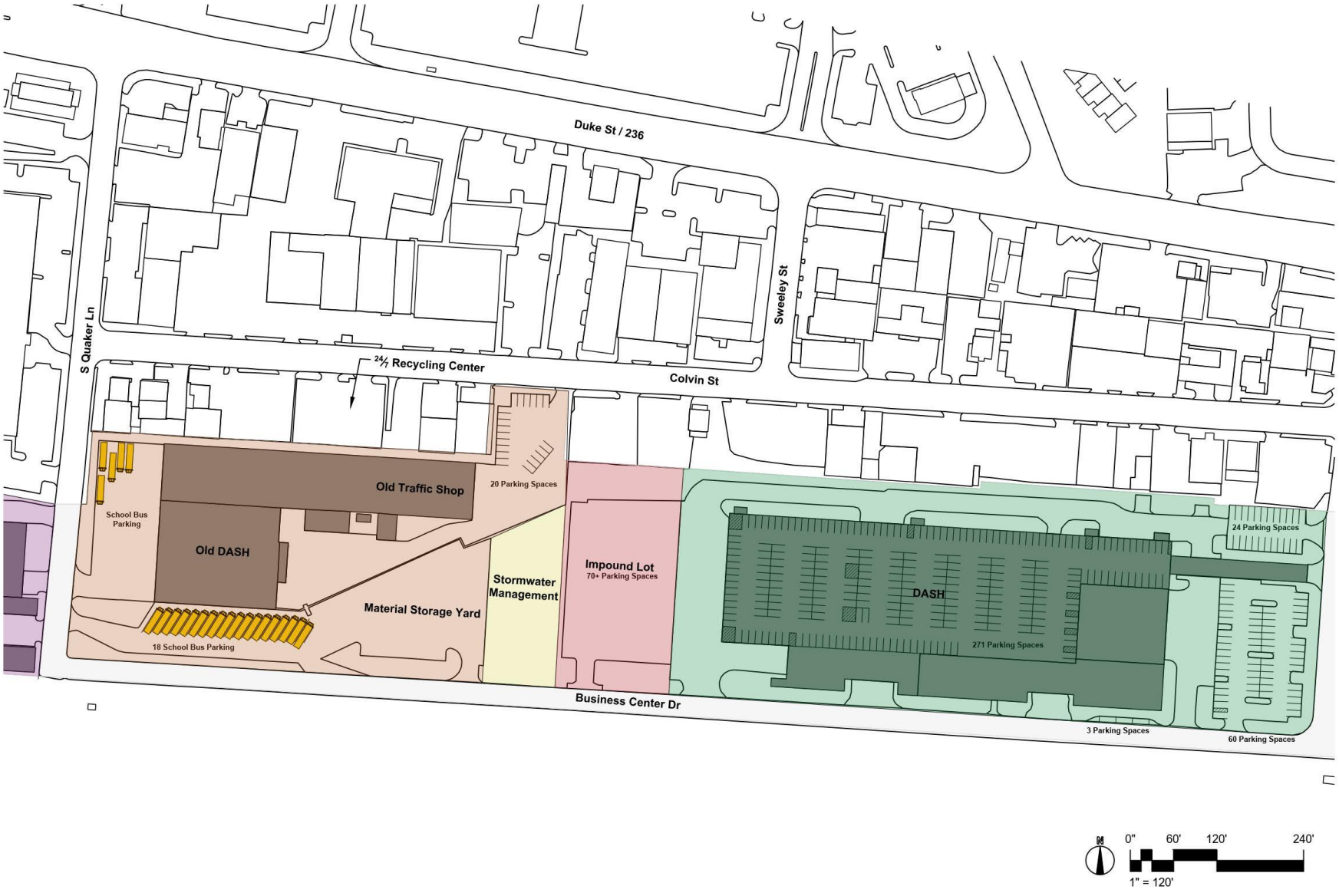
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
OVERALL SITE PLAN
EXISTING

DRAWING NUMBER
C.O


Fuel Island
Schuyler Hamilton Skateboard Park
Duke St / 236
Wheeler Ave.
132 Parking Spaces
39 School Bus Parking
James Luckett Field
Alexandria Police Department
Schools
18 School Bus Parking
29 School Bus Parking
Colvin St
S Quaker Ln
Old DASH
School Bus Parking
8 Parking Spaces
Fire Fleet Maintenance
DGS Fleet Maintenance
29 Parking Spaces
TES Maintenance Division
5 Parking Spaces
28 Parking Spaces
18 School Bus Parking
Business Center Dr
N
0"
60'
120'
240'
1" = 120'
DRAWING NUMBER
C.A
DRAWING TITLE
AREA A - EXISTING SCHOOLS, FIRE, GENERAL, TES
WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY
PROJECT NO.
193726A
DRAWN BY
ESR
DATE
12/18/2019
SCALE
1" = 120'

FACILITY NEEDS ANALYSIS



PROJECT NO.	193726A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 120'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
AREA B - EXISTING
OLD DASH, STORAGE
DASH

DRAWING NUMBER
C.B

PROJECT NO.	19372GA
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 120'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
AREA C - EXISTING
TES, WITTER FIELD

DRAWING NUMBER
C.C

CONCEPTUAL PLANS

The site and floor plans shown on the following pages illustrate a concept that could meet the requirements set forth herein. The plans include:

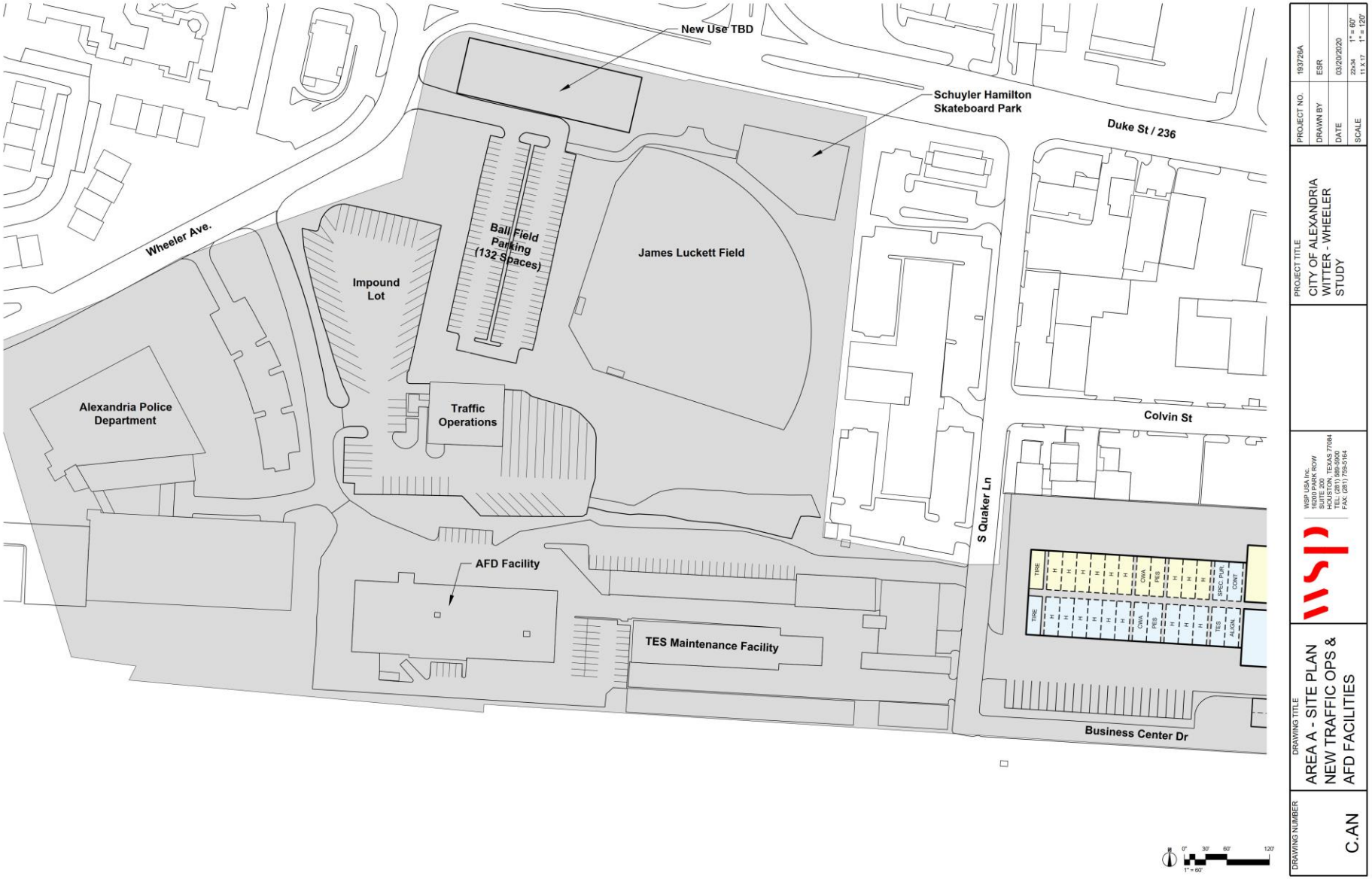
Note that larger 11 x 17 versions of these drawings have been provided separately.

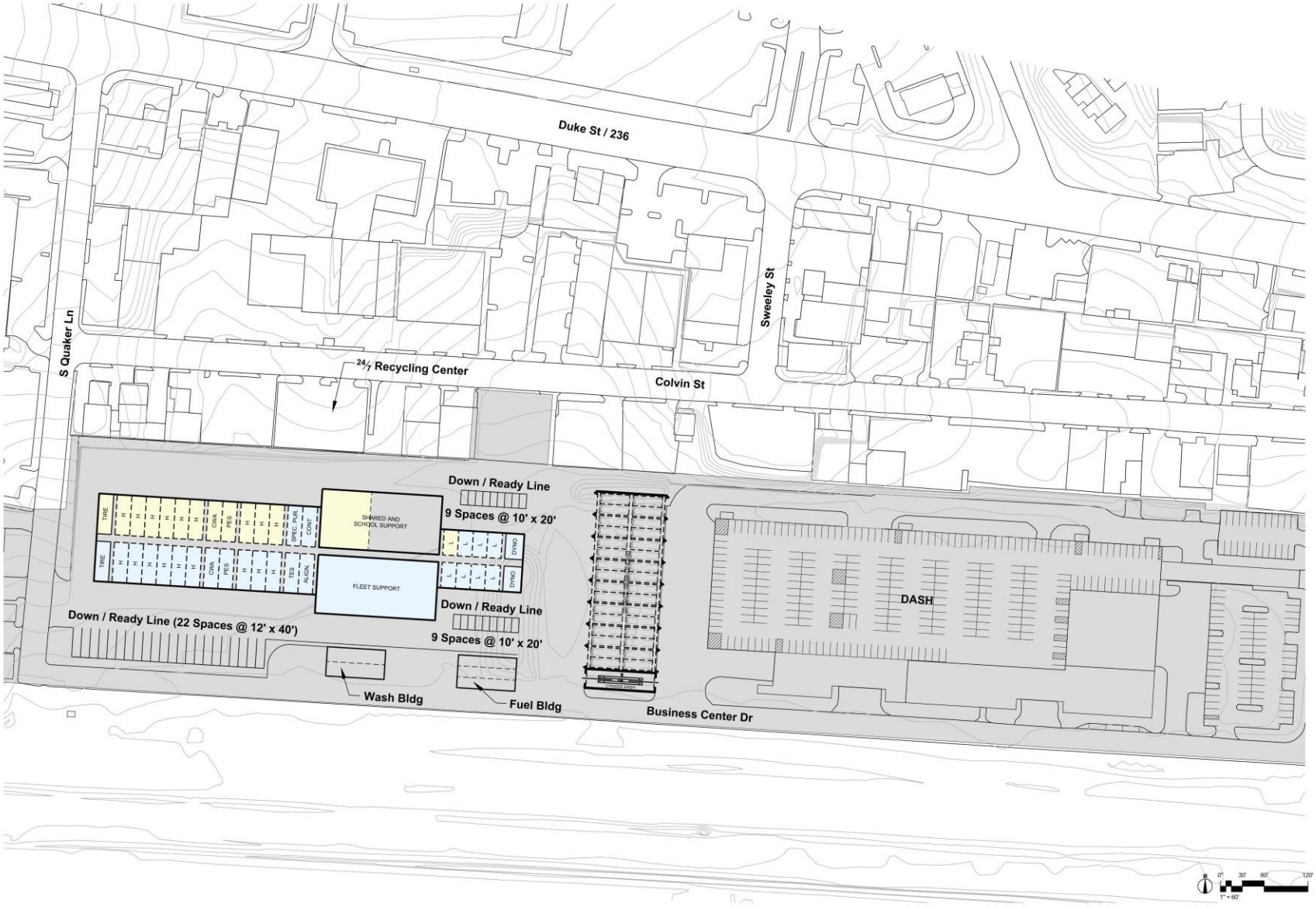
Key Concept Design Elements

1. Meets the space requirements shown in the Preliminary Space Program.
2. Allows phased construction to accommodate operations to continue throughout construction.
3. Takes advantage of site contours to utilize upper levels with easier access.
4. Moves fueling operations to an industrial portion of the campus with direct access from Business Center Drive. This improves traffic flow and moves an industrial use from Duke Street.
5. Co-locates Fleet Services and ACPS Vehicle Maintenance in one new facility to improve the working environment for both operations while taking advantage of potential synergies. This facility would be located where the Old DASH Building is currently located.
6. Provides efficient, safe, secure school bus parking on the second level above the new vehicle maintenance facility.
7. Provides efficient, safe, and secure employee / visitor parking on a deck above school bus parking. This also provides protection for buses, better lighting, and support for overhead charging for future BEB fleet. Note that the employee / visitor parking area could be designed to accommodate a structure above to support either a green roof or photovoltaic panels for energy production.

   A new ACPS Transportation facility would also be on this third level with direct access from employee / visitor parking.
8. New Training Center and Wellness facility would be located above the new ACPS Transportation facility. This is centrally located and adjacent to the largest group of employees (ACPS Transportation drivers) on the campus.
9. Adequate stormwater management facilities could be accommodated in a basement level below the new vehicle maintenance facility.
10. Reuses the existing Fleet Services building for a consolidated AFD Logistics operation including Fleet, Facilities and Supplies, and a portion of the reserve fleet.
11. Reused the existing ACPS building (both floors) for Traffic Operations including the traffic shop, sign shop, and carpentry shop. These functions would be moved from their existing location in the Old DASH Building.
12. New Impound Lot (properly screened) that utilizes the existing ACPS bus parking lot.
13. Assumes that APD vehicle parking shown in the space program can be accommodated entirely in the existing multi-level parking garage adjacent to the Police Facility.
14. Assumes the existing T&ES and Parks & Rec facilities are adequate. Note that these functions were not evaluated as part of this study.

FACILITY NEEDS ANALYSIS





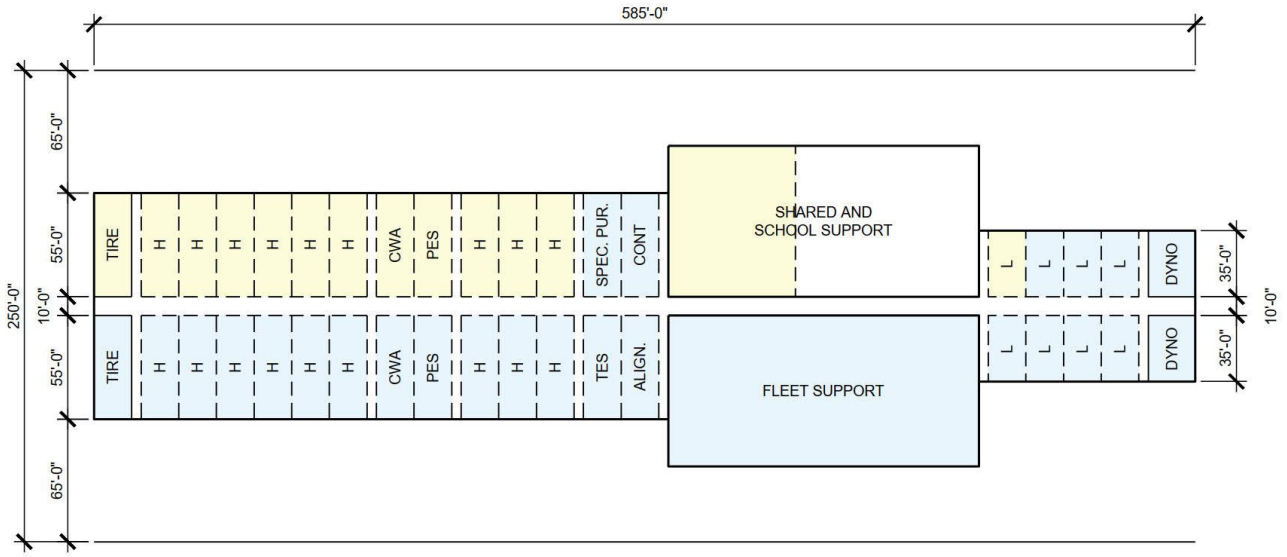
PROJECT NO.	193726A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	22x34 1" = 60' 11 X 17 1" = 120'

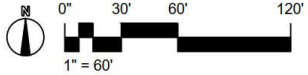
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1600 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 759-5100
FAX: (281) 759-5164

DRAWING TITLE
AREA B - SITE PLAN
DASH EXPANSION &
PROPOSED MAINT

DRAWING NUMBER
C.AB





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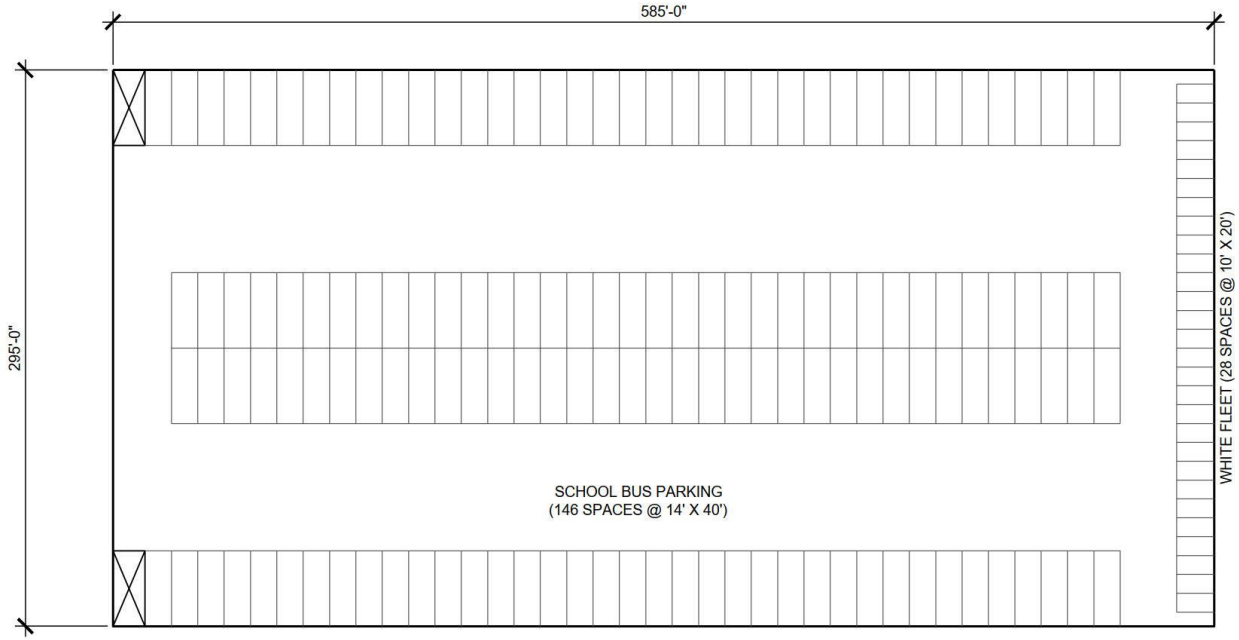
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 60'

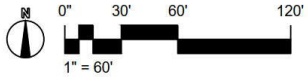
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
MAINTENANCE
PROPOSED
GROUND LEVEL

DRAWING NUMBER
N.1





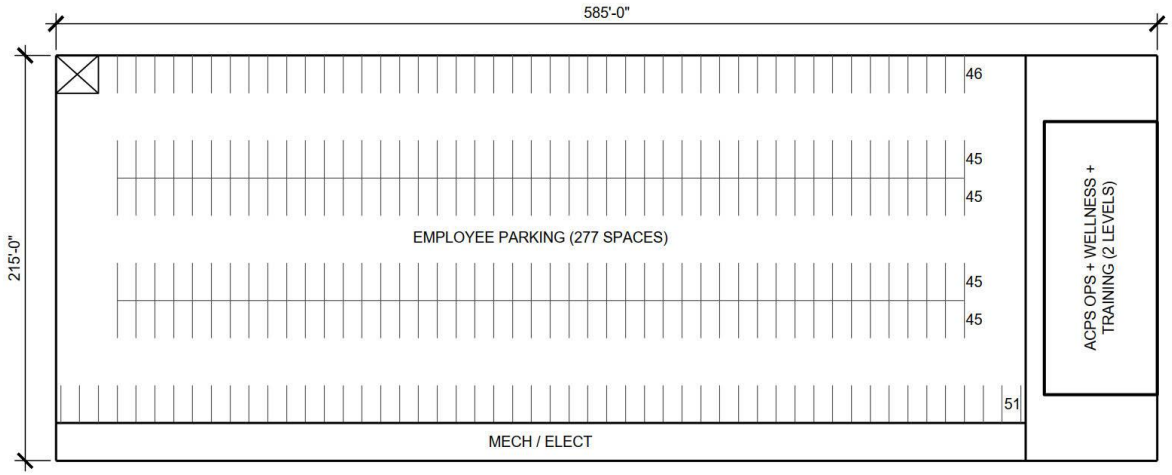
PROJECT NO.	193726A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 60'

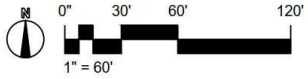
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
SCHOOL BUS PARK
PROPOSED
SECOND LEVEL

DRAWING NUMBER
N.2





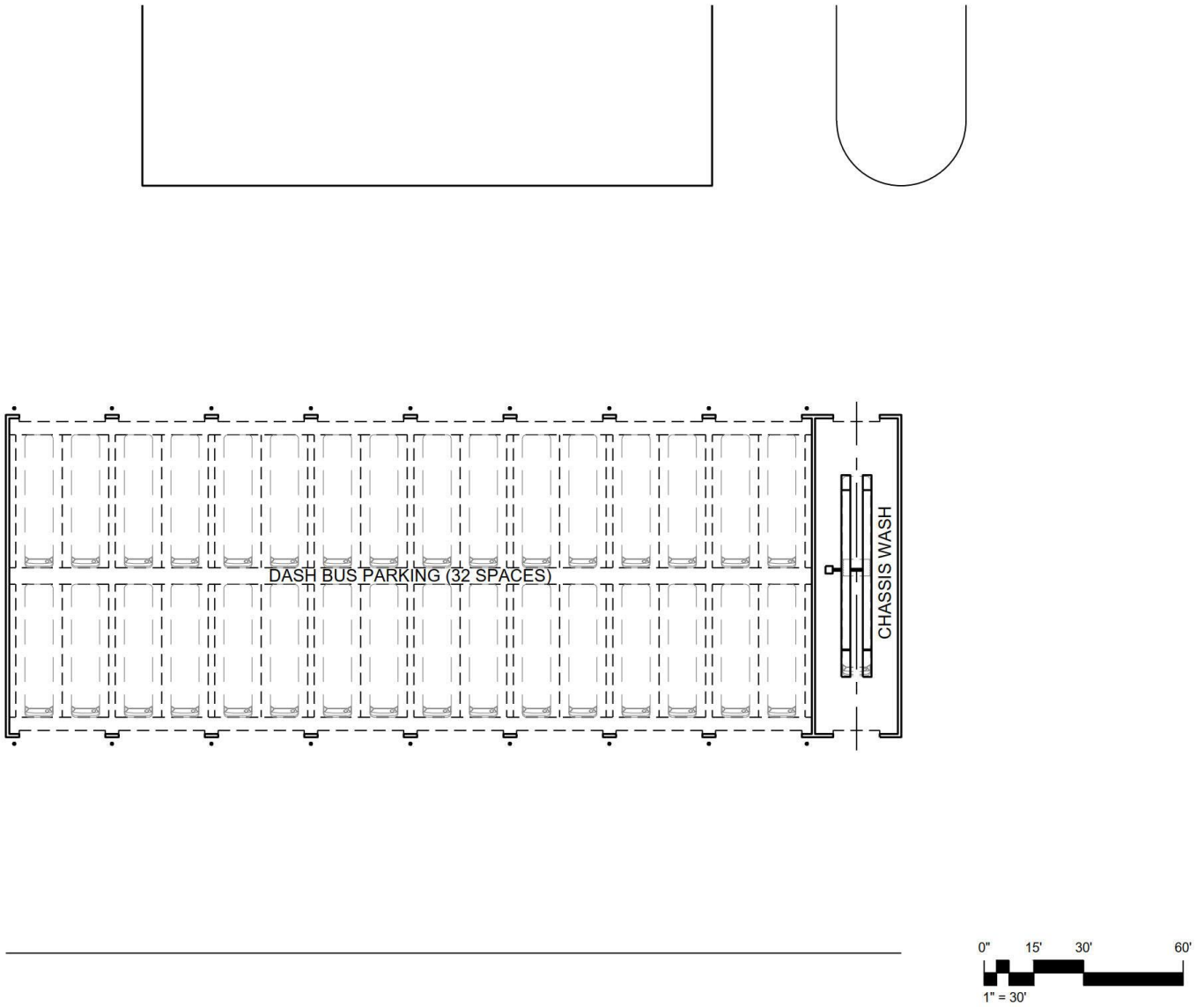
PROJECT NO.	19372A
DRAWN BY	ESR
DATE	03/20/2020
SCALE	1" = 60'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
1620O PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
EMPLOYEE PARKING
PROPOSED
THIRD LEVEL

DRAWING NUMBER
N.3



PROJECT NO.	193726A
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 30'

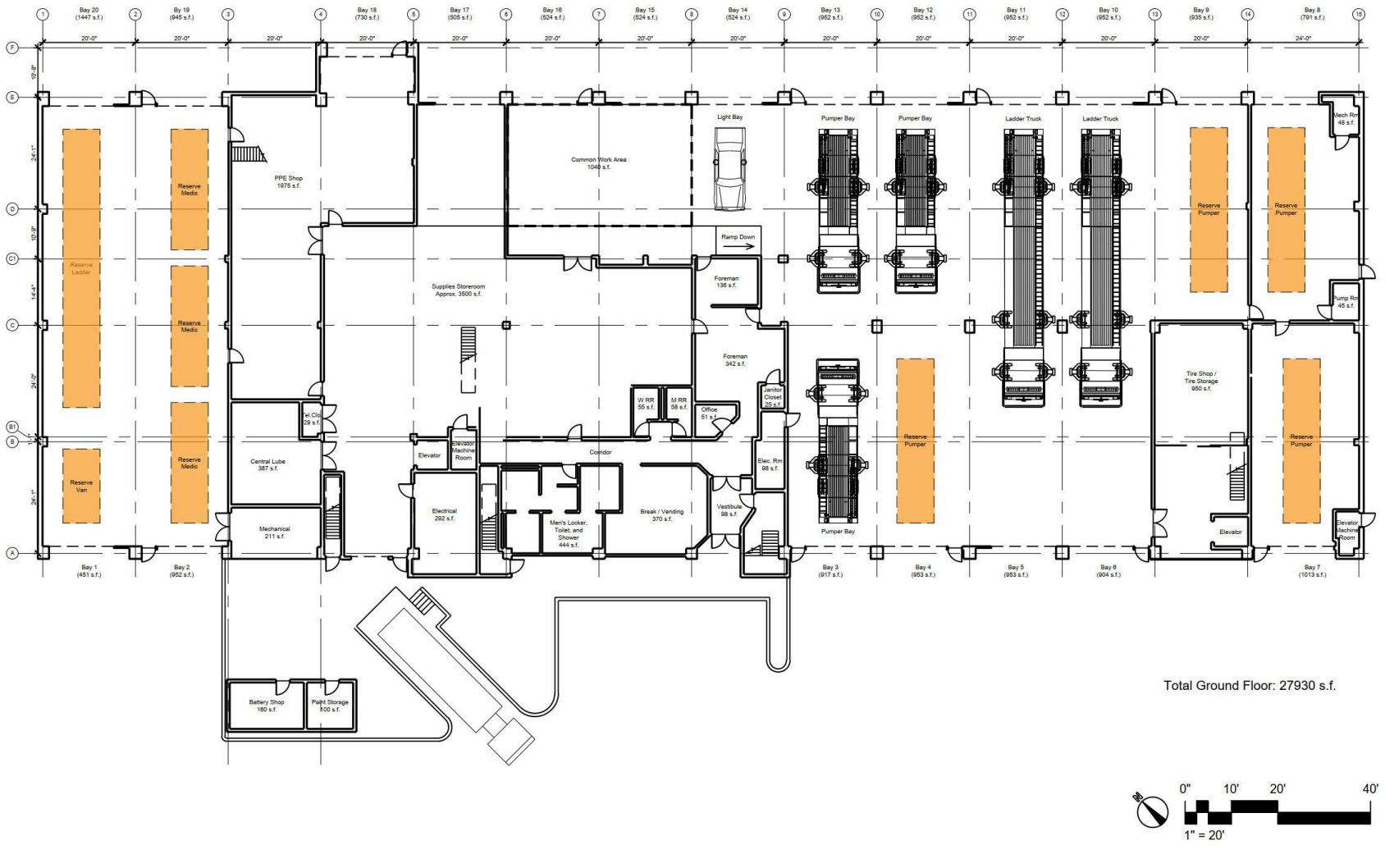
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
DASH
PROPOSED
EXPANSION

DRAWING NUMBER
D.5

FACILITY NEEDS ANALYSIS



PROJECT NO	19372GA
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 20'

PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

DRAWING TITLE
FIRE DEPARTMENT
GROUND FLOOR
PROPOSED

DRAWING NUMBER
FD.1

Total Second Floor: 9270 s.f.

0" 10' 20' 40'
1" = 20'

PROJECT NO.	19372GA
DRAWN BY	ESR
DATE	12/18/2019
SCALE	1" = 20'

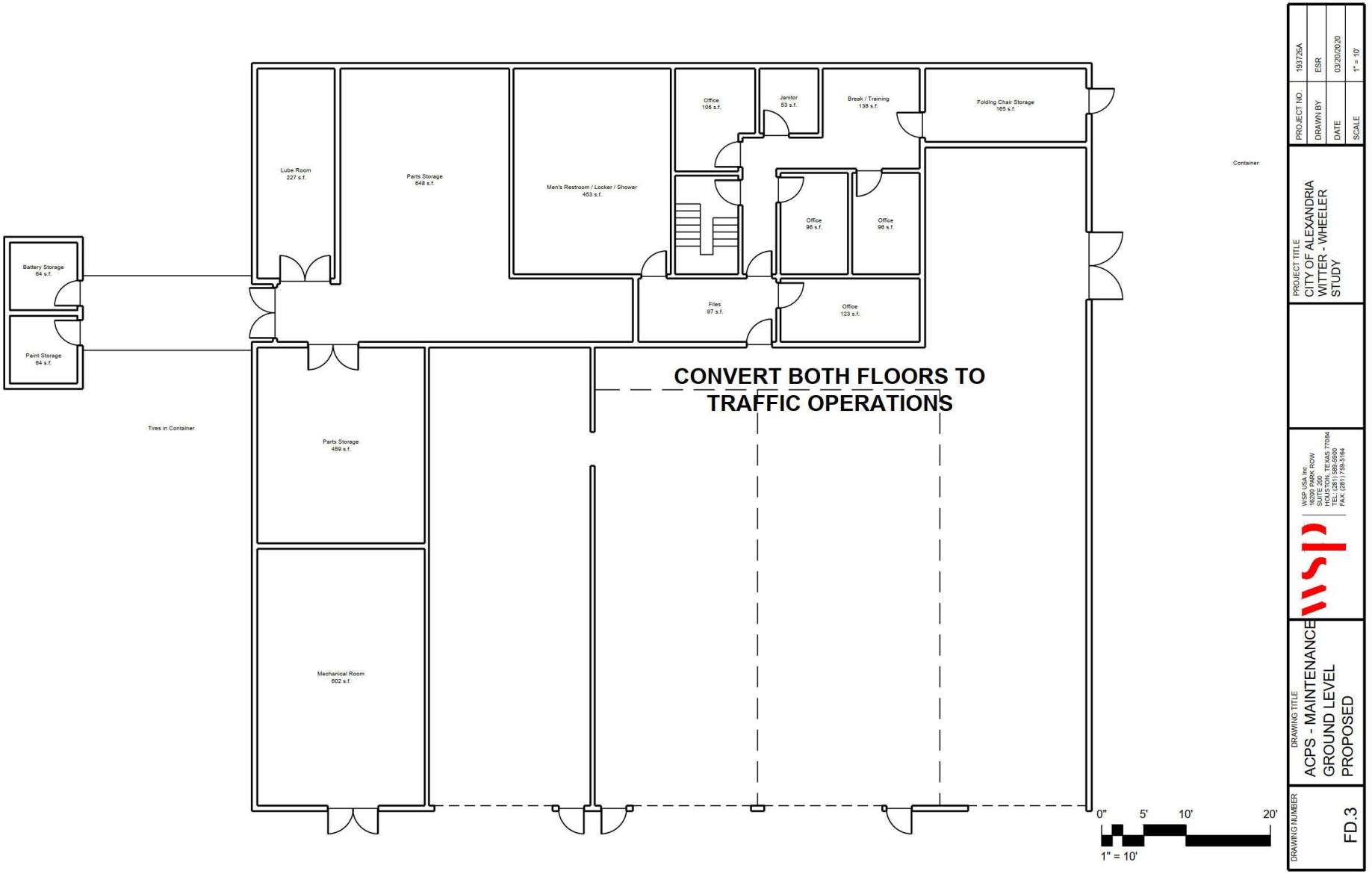
PROJECT TITLE
CITY OF ALEXANDRIA
WITTER - WHEELER
STUDY

WSP USA Inc.
16200 PARK ROW
SUITE 200
HOUSTON, TEXAS 77084
TEL: (281) 589-5900
FAX: (281) 759-5164

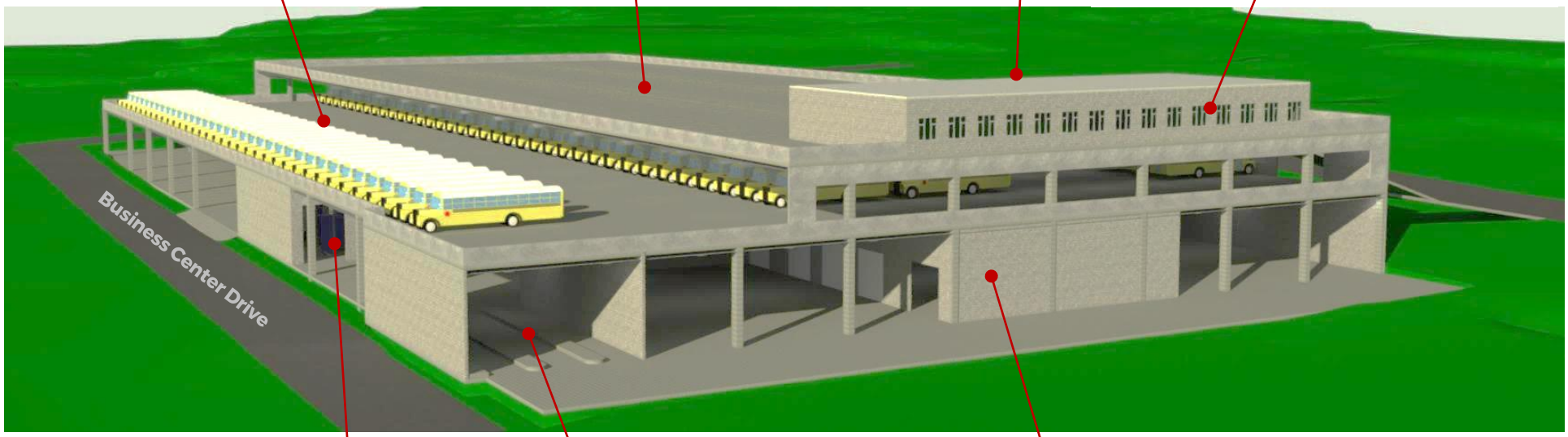
DRAWING TITLE
FIRE DEPARTMENT
SECOND FLOOR
PROPOSED

DRAWING NUMBER
FD.2

FACILITY NEEDS ANALYSIS



PROPOSED NEW FACILITY FROM SOUTHEAST CORNER



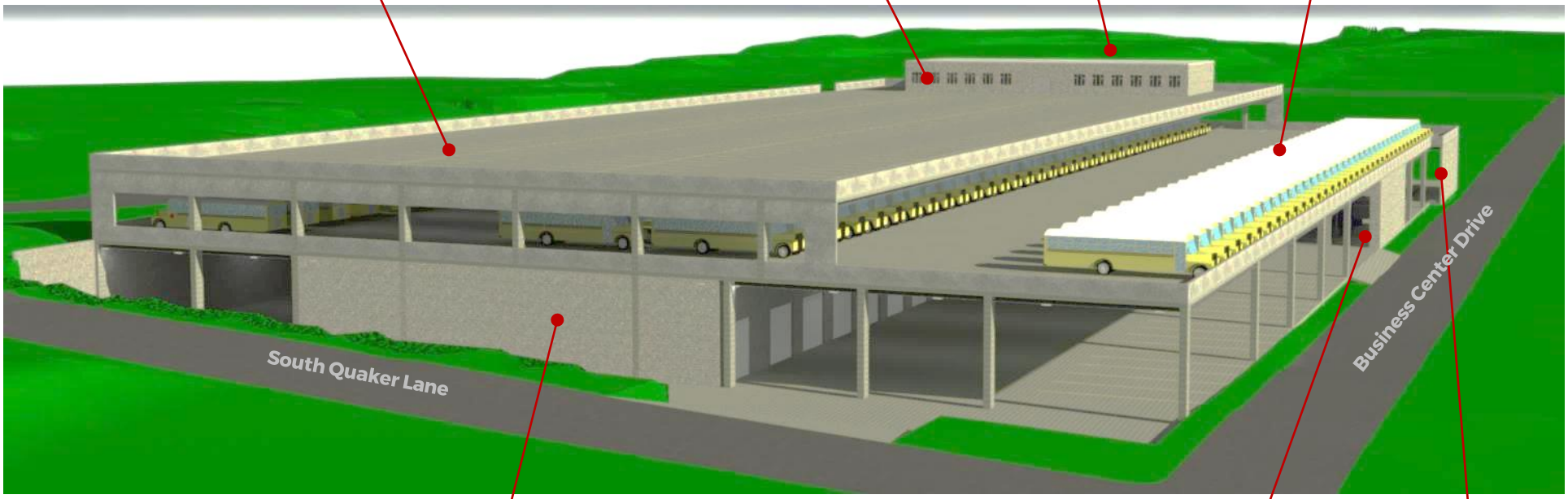
PROPOSED NEW FACILITY FROM SOUTHWEST CORNER

Employee / Visitor Parking
(to be extended to cover entire school bus parking area to accommodate parking for new Training Center)

New Training Center and Wellness Facility
(to be on a floor above ACPS Transportation)

ACPS Transportation
(on third level with Employee / Visitor Parking)

School Bus Parking
(on second level)



Maintenance Facility
(Fleet Services + ACPS)

New Wash Facility

New Fuel Facility

FACILITY NEEDS ANALYSIS

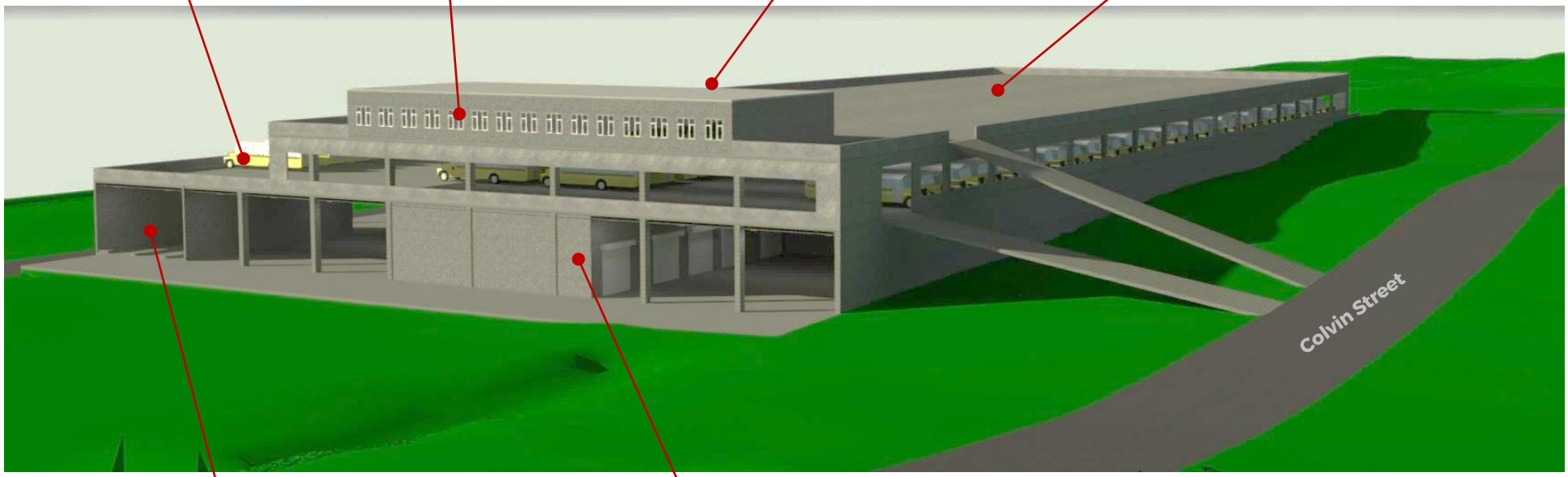
PROPOSED NEW FACILITY FROM NORTHEAST CORNER

ACPS Transportation
(on third level with Employee / Visitor Parking)

New Training Center and Wellness Facility
(to be on a floor above ACPS Transportation)

Employee / Visitor Parking
(to be extended to cover entire school bus parking area to accommodate parking for new Training Center)

School Bus Parking
(on second level)



New Fuel Facility

Maintenance Facility
(Fleet Services + ACPS)

APPENDIX – VEHICLE / EQUIPMENT LISTS

APPENDIX A – VEHICLE & EQUIPMENT LISTS

INTRODUCTION

The list of current vehicles and equipment are presented in this appendix for the following groups:

- City of Alexandria (without Police and Fire)
- City of Alexandria – Police Department
- City of Alexandria – Fire Department
- Alexandria City Public Schools (ACPS)
- Alexandria Transit Company (DASH) – Revenue Vehicles
- Alexandria Transit Company (DASH) – Non-Revenue Vehicles (NRVs)

APPENDIX A – VEHICLE & EQUIPMENT LISTS

CITY OF ALEXANDRIA (without Police and Fire)

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
	CITY OF ALEXANDRIA VEHICLE & EQUIPMENT LIST (not including the Police and Fire Department)													
1	7547	2009	KUBOTA	RTV1100	NULL	Mower Riding	60"		Yes	Busi2900	M	L	2	
2	7902B	2017	ERSKINE	1600-53	NULL	Snow Blower		Attachment	Yes	Busi2900	S	L	0.5	
3	7903B	2017	ERSKINE	1600-53	NULL	Snow Blower		Attachment	Yes	Busi2900	S	L	0.5	
4	4155	2016	INGERSOL RAND	P185	D	Air Comp		Trailer Mount	Yes	QuakS0100	S	L	0.5	**Is the trailer listed separately?**
5	4156	2012	INGERSOL RAND	P185	D	Air Comp		Trailer Mount	Yes	QuakS0100	S	L	0.5	**Is the trailer listed separately?**
6	4359	2005	INGERSOL RAND	P185	D	Air Comp		Trailer Mount	Yes	QuakS0100	S	L	0.5	**Is the trailer listed separately?**
7	4184	2016	SOLAR TECH	SILENT SENTINEL	N	Arrow Board		Trailer Mount	Yes	Busi2900	S	L	0.5	**Is the trailer listed separately?**
8	4185	2016	SOLAR TECH	SILENT SENTINEL	N	Arrow Board		Trailer Mount	Yes	Busi2900	S	L	0.5	**Is the trailer listed separately?**
9	4136	2015	JOHN DEERE	544K	D	Articulated Loader	Wheeled		Yes	Busi3100	L	H	4	
10	4141	2015	JOHN DEERE	544K	D	Articulated Loader	Wheeled		Yes	Busi2900	L	H	4	
11	5037	2007	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	King0300		L	1	
12	163	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	King0500		L	1	
13	165	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	King0500		L	1	
14	166	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	King0500		L	1	
15	309	2010	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
16	315	2010	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
17	322	2011	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
18	325	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
19	346	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	BeauN1900		L	1	
20	348	2011	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	BeauN1900		L	1	
21	349	2011	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	Ford4400		L	1	
22	351	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
23	352	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	Ford4400		L	1	
24	353	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
25	354	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
26	355	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
27	356	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	BeauN1900		L	1	
28	357	2014	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	MtVe2500		L	1	
29	743	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	StAsN0700		L	1	
30	745	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	StAsN0700		L	1	
31	746	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	StAsN0700		L	1	
32	747	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	StAsN0700		L	1	
33	748	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	StAsN0700		L	1	
34	835	2012	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	No	PatrN0100		L	1	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
35	7119	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Jeff1100	M	L	1	
36	7501	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Jeff1100	M	L	1	
37	7505	2016	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Jeff1100	M	L	1	
38	4400	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Busi2900	M	L	1	
39	4405	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Busi2900	M	L	1	
40	4411	2009	CHEVROLET	IMPALA	G	Auto	Full Size	Non-Hybrid	Yes	Busi2900	M	L	1	
41	152	2017	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	No	King0500		L	1	
42	303	2017	FORD	FUSION	G	Auto	Intermed	Non-Hybrid	No	King4400		L	1	
43	304	2017	FORD	FUSION	G	Auto	Intermed	Non-Hybrid	No	King4400		L	1	
44	312	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	BeauN1900		L	1	
45	337	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	MtVe2500		L	1	
46	344	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	BeauN1900		L	1	
47	724	2003	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	King4400		L	1	
48	733	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	StAsN0700		L	1	
49	3000	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	No	King0300		L	1	
50	3001	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
51	3002	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	Yes	Busi2900	M	L	1	
52	3004	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	Yes	Busi2900	M	L	1	
53	3005	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
54	3006	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
55	3009	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
56	3010	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
57	3015	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
58	3016	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
59	3017	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
60	3048	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
61	3108	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
62	3211	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	Yes	Whee3500	M	L	1	
63	4037	2012	FORD	FUSION HYBRID	G	Auto	Intermed	Hybrid	Yes	King0300	M	L	1	
64	323	2016	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	Ford4400		L	1	
65	332	2016	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	MtVe2500		L	1	
66	333	2009	CHEVROLET	HHR	G	Auto	Subcompact	Non-Hybrid	No	MtVe2500		L	1	
67	334	2008	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	MtVe2500		L	1	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
68	335	2018	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	Jeff1100		L	1	
69	339	2018	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	Ford4400		L	1	
70	341	2010	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	MtVe2500		L	1	
71	342	2010	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	MtVe2500		L	1	
72	343	2008	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	BeauN1900		L	1	
73	712	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	StAsN0700		L	1	
74	714	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	StAsN0700		L	1	
75	715	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	King4400		L	1	
76	716	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	StAsN0700		L	1	
77	720	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	King4400		L	1	
78	723	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	Mill2300		L	1	
79	729	2016	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	Semi4500		L	1	
80	730	2018	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	King4400		L	1	
81	731	2018	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	No	Mill2300		L	1	
82	824	2009	CHEVROLET	COBALT	G	Auto	Subcompact	Non-Hybrid	No	King4400		L	1	
83	4144B	2016	JOHN DEERE	MP84B	N	Bucket		Attachment	Yes	QuakS0100	S	L	0.5	
84	4145B	2015	BOBCAT	COMBO BUCKET	N	Bucket		Attachment	Yes	Busi2900	S	L	0.5	
85	4145C	2015	BOBCAT	SWEEPER	N	Bucket		Attachment	Yes	Busi2900	S	L	0.5	
86	210	2007	CHEVROLET	C5500	D	Bus	Handicapped Access		Yes	Whee3500	X	H	7	
87	211	2008	CHEVROLET	C5500	D	Bus	Handicapped Access		Yes	Whee3500	X	H	7	
88	216	2013	INTERNATIONAL	HC/TC COMERCIAL	D	Bus	Handicapped Access		Yes	Whee3500	X	H	7	
89	7525	2011	FORD	E450	G	Bus	Window	Handicapped Access	Yes	Jeff1100	L	H	7	
90	3327	2015	KUBOTA	3990	D	Cart & Snowplow	Wheeled		No	UnioN0200		L	0.5	
91	4230	2016	POLARIS	GEM E4S	KWH	Carts		4-Wheeled	Yes	Busi2900	S	L	1	
92	4231	2015	POLARIS	GEM ELXD	KWH	Carts		4-Wheeled	Yes	Busi2900	S	L	1	
93	4232	2015	JOHN DEERE	T145E	KWH	Carts		All-Terrain	Yes	Busi2900	S	L	1	
94	4351	2015	KUBOTA	KX057	D	Excavator	Tracked		Yes	Busi3100	M	H	4	
95	3230	2014	CLARK	C55SD	D	Forklift Material Handling	Wheeled		Yes	Whee3500	M	L	2.5	
96	4170	2016	JCB	35D4X4	D	Forklift Material Handling	Wheeled		Yes	Busi2900	M	L	2.5	
97	3207	2005	INGERSOL RAND	G25	D	Generator		Skid Mounted	Yes	Whee3500	S	L	0.5	
98	7147	2000	CHAMPION	C70A	D	Grader	Wheeled		Yes	QuakS0100	X	H	4	
99	7255	2014	JOHN DEERE	5055D	D	Loader-Backhoe	Wheeled		Yes	QuakS0100	L	H	4	
100	7523	2017	JOHN DEERE	4044R	D	Loader-Backhoe	Wheeled		Yes	QuakS0100	L	H	4	
101	4138	2015	JOHN DEERE	310SK	D	Loader-Backhoe	Wheeled		Yes	Busi3100	L	H	4	
102	4148	2015	JOHN DEERE	310SK	D	Loader-Backhoe	Wheeled		Yes	Busi2900	L	H	4	
103	4161	2014	JOHN DEERE	410K	D	Loader-Backhoe	Wheeled		Yes	Busi3100	L	H	4	
104	4360	2014	JOHN DEERE	410K	D	Loader-Backhoe	Wheeled		Yes	Busi3100	L	H	4	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
105	4174	2017	VER-MAC	PCMS1210	N	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
106	4175	2008	ADDCO	PCMS 500	N	Message Board		Trailer Mount	Yes	Busi3100	S	L	0.5	Is the trailer listed separately?
107	4176	2017	VER-MAC	PCMS548	N	Message Board		Trailer Mount	Yes	Busi3100	S	L	0.5	Is the trailer listed separately?
108	4177	2017	VER-MAC	PCMS548	N	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
109	4178	2017	VER-MAC	PCMS1210	N	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
110	4179	2017	VER-MAC	PCMS1210	N	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
111	4180	2017	VER-MAC	PCMS1210	N	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
112	4181	2017	VER-MAC	PCMS1210	P	Message Board		Trailer Mount	Yes	Busi2900	S	L	0.5	Is the trailer listed separately?
113	3325	2002	JOHN DEERE	1400	D	Mowers	Riding		No	King0300	M	L	2	
114	7109	2009	JOHN DEERE	GATOR 4X4 HPX	N	Mowers Riding	60"		Yes	PaynS0900	M	L	2	
115	4144	2016	JOHN DEERE	329E	D	Non-Artic Loader	Wheeled		Yes	Busi2900	L	H	4	
116	4430	2012	KELLY-CRESWELL	WV-50C-AL	G	Paint Striper	Self-Prop		Yes	Colv3200	S	L	1	
117	4431	2012	KELLY-CRESWELL	WV-50C-AL	G	Paint Striper	Self-Prop		Yes	Colv3200	S	L	1	
118	3342	1999	GMC	TK30943	G	Pickup	3-4-Ton Crew Cab 4x4	Non-Hybrid	No	King0300		L	1	
119	4331	2015	FORD	F350 SUPER DUTY	D	Pickup	3-4-Ton Crew Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
120	7995	2006	GMC	SIERRA C2500	G	Pickup	3-4-Ton Extended Cab 4X4	Non-Hybrid	Yes	Busi2900	M	L	1	
121	7566	2010	CHEVROLET	SILVERADO 1500	G	Pickup	3-4-Ton Regular Cab 4x2	Non-Hybrid	Yes	Busi2900	M	L	1	
122	4421	2015	FORD	F250	G	Pickup	3-4-Ton Regular Cab 4x2	Non-Hybrid	Yes	Colv3200	M	L	1	
123	4423	2009	FORD	F250	G	Pickup	3-4-Ton Regular Cab 4x2	Non-Hybrid	Yes	Colv3200	M	L	1	
124	701	2011	CHEVROLET	SILVERADO 1500	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	No	MtVe2500		L	1	
125	702	2011	CHEVROLET	SILVERADO 1500	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	No	StAsN0700		L	1	
126	3324	2012	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	No	Call0100		L	1	
127	3360	2010	FORD	F250	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	No	King0300		L	1	
128	7250	2015	FORD	F250 Super Duty	D	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
129	7531	2010	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
130	7565	2011	CHEVROLET	SILVERADO 1500	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
131	3241	2015	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Whee3500	M	L	1	
132	4108	2015	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
133	4203	2012	FORD	F250	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
134	4238	2014	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	QuakS0100	M	L	1	
135	4239	2012	FORD	F250	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	QuakS0100	M	L	1	
136	4427	2011	FORD	F250 Super Duty	G	Pickup	3-4-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
137	4205	2018	FORD	F150 4X4	G	Pickup	Half-Ton Crew Cab 4X4	Non-Hybrid	Yes	QuakS0100	M	L	1	
138	4018	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	No	King0300	M	L	1	
139	4019	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	No	King0300	M	L	1	
140	4023	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	No	King0300	M	L	1	
141	4027	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	No	King0300	M	L	1	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
142	7206	2018	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
143	7208	2018	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
144	7503	2018	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
145	7535	2018	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
146	7577	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
147	4110	2014	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
148	4207	2016	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
149	4210	2015	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
150	4304	2016	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
151	4310	2014	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
152	4470	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Colv3200	M	L	1	
153	4802	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
154	4804	2017	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
155	4860	2016	FORD	F150 4X4	G	Pickup	Half-Ton Extended Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
156	5036	2007	CHEVROLET	COLORADO	G	Pickup	Half-Ton Regular Cab 4x2	Non-Hybrid	No	King0300	M	L	1	
157	3393	2004	DODGE	DAKOTA	G	Pickup	Half-Ton Regular Cab 4x2	Non-Hybrid	No	King0300	M	L	1	
158	431	2005	FORD	F150	G	Pickup	Half-Ton Regular Cab 4x2	Non-Hybrid	No	King4400	M	L	1	
159	506	2014	FORD	F150	G	Pickup	Half-Ton Regular Cab 4x4	Non-Hybrid	No	King0300	M	L	1	
160	7252	2014	FORD	F150	G	Pickup	Half-Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	M	L	1	
161	7259	2014	FORD	F150	G	Pickup	Half-Ton Regular Cab 4x4	Non-Hybrid	Yes	QuakS0100	M	L	1	
162	7575	2018	FORD	F250 Super Duty	G	Pickup	One Ton Ex Cab Util Bed 4x4	Non-Hy	Yes	Busi2900	L	H	1.5	
163	3200	2004	FORD	F350	D	Pickup	One Ton Ex Cab Util Bed 4x4	Non-Hy	Yes	Whee3500	L	H	1.5	
164	7572	2010	FORD	F250 Super Duty	G	Pickup	One Ton Regular Cab 4x4	Non-Hybrid	Yes	Busi2900	L	H	1.5	
165	7115	2011	CHEVROLET	SILVERADO 2500	G	Pickup	One Ton Utility Bed 4x4	Non-Hybrid	Yes	Busi2900	L	H	1.5	
166	7514	2010	CHEVROLET	SILVERADO 3500	G	Pickup	One Ton Utility Bed 4x4	Non-Hybrid	Yes	Busi2900	L	H	1.5	
167	434	2013	TOYOTA	TACOMAPRERUNNER	G	Pickup	Super Duty Crew Cab	Non-Hybrid	No	King4400	M	H	1.5	
168	7536	2018	FORD	F250 Super Duty	G	Pickup	SuperDuty Ext Cab	Non-Hybrid	Yes	Busi2900	M	L	1	
169	7537	2018	FORD	F250 Super Duty	G	Pickup	SuperDuty Ext Cab	Non-Hybrid	Yes	Busi2900	M	L	1	
170	4330	2012	FORD	F250 Super Duty	G	Pickup	SuperDuty Ext Cab	Non-Hybrid	Yes	Busi2900	M	L	1	
171	4145G	2016	BOBCAT	PLANER	N	Planters		Attachment	Yes	Busi2900	S	L	1	
172	7585	2007	HYDRO TEK	SC35005KQ/T300E	G	Pressure Washer		Trailer Mount	Yes	Busi2900	S	L	0.5	**Is the trailer listed separately?**
173	4163	2019	YACHT CLUB	SPMHS4005OMDK	D	Pressure Washer		Trailer Mount	Yes	Busi2900	S	L	0.5	**Is the trailer listed separately?**
174	4257B	2015	PAC-MAC	KB20-RO	N	Roll Off Box		Attachment	Yes	QuakS0100	X	H	4	
175	4258B	2002	PETERSEN	PL3	N	Roll Off Box		Attachment	Yes	QuakS0100	X	H	4	
176	4116	2018	BOMAG	BW900-50	G	Rollers	Vibratory		Yes	Busi2900	M	H	2	
177	4151	2017	BOMAG	BW120	D	Rollers Static	Wheeled		Yes	Busi2900	M	H	2	

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
178	7254	2014	JOHN DEERE	328E	D	Skid Steer Loaders	Wheeled		Yes	QuakS0100	M	L	1.5	
179	4145	2016	BOBCAT	S750 T4	D	Skid Steer Loaders	Wheeled		Yes	Busi2900	M	L	1.5	
180	4350	2014	KUBOTA	SVL90-2	D	Skid Steer Loaders	Wheeled		Yes	QuakS0100	M	L	1.5	
181	3327B	2015	KUBOTA	F5520B	N	Snow Blower		Attachment	No	UnioN0200		L	0.5	
182	3385	2014	ARIEN	SNOWBLOWER	G	Snow Blower		Walk Behind	No	King0300		L	0.5	
183	3386	2014	ARIEN	SNOWBLOWER	G	Snow Blower		Walk Behind	No	King0300		L	0.5	
184	3580	2013	ARIEN	SNOWBLOWER	G	Snow Blower		Walk Behind	No	King0300		L	0.5	
185	3581	2013	ARIEN	SNOWBLOWER	G	Snow Blower		Walk Behind	No	King0300		L	0.5	
186	7108P	2011	MEYER	LP-7.5	N	Snow Plow	Attachment	Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
187	7111P	2012	KUBOTA	V4208	NULL	Snow Plow	Attachment	Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
188	3324P	2012	MEYER	LP-7.5	N	Snow Plow		Attachment	No	Call0100		L	0.5	
189	3327P	2015	KUBOTA	B2765A	N	Snow Plow		Attachment	No	UnioN0200		L	0.5	
190	3360P	2010	WESTERN	60331 PRO PLOW	N	Snow Plow		Attachment	Yes	Colv3200	S	L	0.5	Could be stored under spreader?
191	7155P	2011	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
192	7157P	2008	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
193	7507P	2011	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
194	7508P	2011	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
195	7509P	2008	GOODROADS	UNK	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
196	7513P	2008	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
197	7516P	2011	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
198	7517P	2003	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
199	7518P	2009	MEYER	LP-8.0	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
200	7576P	2007	MEYER	C-7.5	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
201	8682P	2015	MEYER	LP-8.0	N	Snow Plow		Attachment	Yes	Mill2000	S	L	0.5	Could be stored under spreader?
202	8683P	2017	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	Mill2000	S	L	0.5	Could be stored under spreader?
203	4108P	2015	MEYER	LP-8.0	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
204	4111P	2017	MEYER	SV2-8.5V.2	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
205	4111PX	2005	MEYER	C-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
206	4112P	2008	MEYER	C-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
207	4115P	2016	MEYER	SV2-8.5V.2	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
208	4117P	2016	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
209	4120P	2006	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
210	4121P	2015	MONROE	MP36R10	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
211	4122P	2015	MONROE	MP36R10	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
212	4123P	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
213	4123PX	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
214	4125PX	2004	VALK	RV-102	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
215	4126P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
216	4126PX	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
217	4127P	2004	GOODROADS	120M	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
218	4128PX	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
219	4129P	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
220	4129PX	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
221	4130P	2001	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
222	4131P	2009	HENDERSON	RSP	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
223	4133P	2015	WESTERN	8.5 MVP	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
224	4134P	2015	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
225	4135P	2015	MONROE	MP36R10	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
226	4142P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
227	4194P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
228	4195P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
229	4196P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
230	4197P	2016	VALK	RV-102	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
231	4219P	2010	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
232	4261P	2013	FLINK	P111	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
233	4262P	2013	FLINK	P111	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
234	4263P	2013	FLINK	P111	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
235	4264P	2013	FLINK	P111	N	Snow Plow		Attachment	Yes	QuakS0100	S	L	0.5	Could be stored under spreader?
236	4275P	2012	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
237	4304P	2016	MEYER	LPLD-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
238	4311P	2008	MEYER	LP-8.0	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
239	4315P	2011	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
240	4316P	2011	MEYER	LP-8.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
241	4317P	2005	MEYER	LP-7.5	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
242	4318P	2016	MEYER	SV2-8.5V.2	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
243	4321P	2004	GOODROADS	120M	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
244	4330P	2012	MEYER	LP-8.0	N	Snow Plow		Attachment	Yes	Busi2900	S	L	0.5	Could be stored under spreader?
245	7108S	2011	SWENSON	PV358ESTS	N	Snow Spreader	Attachment	Attachment	Yes	QuakS0100	M	L	0.5	
246	7115S	2015	BUYERS	1400601SS	G	Snow Spreader	Attachment	Attachment	Yes	Busi2900	M	L	0.5	
247	3324S	2012	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	No	Call0100		L	0.5	
248	3360S	2016	BUYERS	SHPE0750	N	Snow Spreader		Attachment	No	Call0100		L	0.5	

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								Parking			Repair Bays		
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249	7155S	2008	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
250	7157S	2008	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
251	7206S	2017	FISHER	10000	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
252	7507S	2011	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
253	7508S	2011	SWENSON	PV358ESTS	N	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
254	7509S	2007	GOODROADS	H-3	N	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
255	7514S	2015	BUYERS	1400601SS	G	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
256	7516S	2011	SWENSON	PV358ESTS	N	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
257	7517S	2008	SWENSON	PV358ESTS	N	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
258	7518S	2009	MEYER	PV	N	Snow Spreader		Attachment	Yes	QuakS0100	M	L	0.5	
259	7576S	2007	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
260	8683S	2015	BUYERS	SCH096CX	G	Snow Spreader		Attachment	Yes	Mill2000	M	L	0.5	
261	4109S	2005	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
262	4111S	2005	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
263	4112S	2008	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
264	4112SX	2008	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
265	4115S	2016	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
266	4115SX	2003	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
267	4117S	2016	BUYERS	SCH096CX	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
268	4117SX	2002	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
269	4118S	2003	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
270	4118SX	2003	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
271	4119SX	2010	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
272	4120S	2006	HENDERSON	FSH	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
273	4120SX	2008	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
274	4121S	2015	MONROE	MCV	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
275	4121SX	2009	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
276	4122S	2015	MONROE	MCV	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
277	4123S	2001	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
278	4124S	2004	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
279	4125SX	2004	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
280	4126S	2016	SWENSON	EV100 10-82-56	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
281	4126SX	2001	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
282	4127s	2004	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
283	4127SX	2008	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
284	4128SX	2001	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
285	4129s	2001	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
286	4130S	2001	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
287	4131S	2009	HENDERSON	FSH	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
288	4133S	2015	BUYERS	SCH096CX	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
289	4134S	2015	BUYERS	SCH096CX	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
290	4135S	2015	MONROE	MCV	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
291	4142s	2016	SWENSON	EV100 13-82-56	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
292	4194S	2016	SWENSON	EV100 10-82-56	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
293	4195S	2016	SWENSON	EV100 10-82-56	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
294	4196S	2016	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
295	4197S	2016	SWENSON	EV100 10-82-56	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
296	4219S	2010	AIR FLO	PSVSE	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
297	4311S	2008	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
298	4315S	2011	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
299	4316S	2011	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
300	4317S	2005	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
301	4318S	2016	SWENSON	PV358ESTS	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
302	4321S	2004	SWENSON	EV100 10-82-50	N	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
303	4330S	2012	SWENSON	PV358ESTS	G	Snow Spreader		Attachment	Yes	Busi2900	M	L	0.5	
304	7115P	2015	BOSS	DXT	N	Snow V Plow	Attachment	Attachment	Yes	QuakS0100	S	L	0.5	**Could be stored under spreader?**
305	7206P	2017	BOSS	STB18976	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
306	7208P	2017	BOSS	STB18976	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
307	7250P	2015	BOSS	STB03236	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
308	7251P	2015	BOSS	STB03236	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
309	7514P	2015	BOSS	DXT	N	Snow V Plow		Attachment	Yes	QuakS0100	S	L	0.5	**Could be stored under spreader?**
310	7531P	2017	BOSS	STB03167	N	Snow V Plow		Attachment	Yes	QuakS0100	S	L	0.5	**Could be stored under spreader?**
311	7566P	2017	BOSS	STB18976	N	Snow V Plow		Attachment	Yes	QuakS0100	S	L	0.5	**Could be stored under spreader?**
312	7572P	2017	BOSS	STB03167	N	Snow V Plow		Attachment	Yes	QuakS0100	S	L	0.5	**Could be stored under spreader?**
313	7575P	2017	BOSS	STB03167	P	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
314	4109P	2017	MEYER	SV2-8.5V.2	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
315	4118P	2017	MEYER	SV2-8.5V.2	N	Snow V Plow		Attachment	Yes	Busi2900	S	L	0.5	**Could be stored under spreader?**
316	96	2003	CHEVROLET	SUBURBAN	G	Sport Utility	3-4-Ton 9 Passenger	Non-Hybrid	No	PaynS0800		L	1	
317	5024	2006	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
318	5027	2007	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
319	5029	2007	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
320	5032	2018	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	

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									Parking			Repair Bays		
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321	5033	2007	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
322	5034	2007	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
323	5035	2007	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
324	5061	2016	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
325	5062	2016	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
326	5064	2006	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
327	5071	2005	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
328	5086	2005	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
329	5089	2017	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
330	5090	2006	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
331	5094	2006	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
332	5095	2018	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
333	5098	2006	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
334	5105	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
335	5130	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
336	5165	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
337	5169	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
338	5221	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
339	5260	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
340	5261	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
341	5262	2015	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
342	5271	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
343	5275	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
344	5286	2013	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
345	301	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King4400		L	1	
346	302	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King4400		L	1	
347	305	2018	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	MtVe2500		L	1	
348	306	2018	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	MtVe2500		L	1	
349	329	2012	FORD	ESCAPE HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	No	BeauN1900		L	1	
350	350	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	Ford4400		L	1	
351	816	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	Ford4400		L	1	
352	4022	2016	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
353	4029	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
354	3021	2012	FORD	ESCAPE HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	No	King0300		L	1	
355	3302	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King0300		L	1	
356	3303	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	Mill2000		L	1	

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	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
357	3305	2005	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Whee3500	M	L	1	
358	3350	2004	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	Mill2000		L	1	
359	430	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	No	King4400		L	1	
360	7597	2005	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
361	3020	2012	FORD	ESCAPE HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	King0300	M	L	1	
362	4001	2016	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	King0300	M	L	1	
363	4010	2019	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
364	4020	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
365	4021	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
366	4025	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
367	4026	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
368	4032	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
369	4036	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
370	4039	2018	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
371	4040	2008	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
372	4071	2019	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
373	4072	2019	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
374	4100	2009	FORD	ESCAPE HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	King0300	M	L	1	
375	4106	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
376	4190	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
377	4191	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
378	4200	2017	TOYOTA	RAV4 HYBRID	G	Sport Utility	Half-Ton 4 Passenger	Hybrid	Yes	Busi2900	M	L	1	
379	4401	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Colv3200	M	L	1	
380	4402	2012	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
381	4410	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Colv3200	M	L	1	
382	4417	2017	FORD	ESCAPE	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Colv3200	M	L	1	
383	307	2019	FORD	ESCAPE	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	No	King4400		L	1	
384	4028	2017	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	No	King0300		L	1	
385	3100	2015	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	No	Eise4100		L	1	
386	432	2016	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	No	King4400		L	1	
387	7502	2018	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
388	7506	2005	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
389	7563	2010	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
390	3247	2004	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Whee3500	M	L	1	
391	4015	2016	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
392	4017	2016	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	

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	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
393	4024	2017	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	King0300	M	L	1	
394	4103	2008	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Busi2900	M	L	1	
395	7251	2015	FORD	F250	D	Staight Truck	Stake Body	Lift Gate 4x2	Yes	Jeff1100	M	L	1	
396	4227	2014	ISUZU	NQR	D	Stght Trk	Regenerative Street Sweeper		Yes	Busi2900	L	H	4	
397	4229	2015	FREIGHTLINER	M2106	D	Stght Trk	Regenerative Street Sweeper		Yes	Busi2900	L	H	4	
398	4236	2014	ISUZU	NQR	D	Stght Trk	Regenerative Street Sweeper		Yes	Busi2900	L	H	4	
399	4132	2016	FREIGHTLINER	114SD	D	Straight Truck	Cement Mixer		Yes	Busi2900	X	H	4	
400	4270	2014	FREIGHTLINER	M2106	D	Straight Truck	Crane		Yes	Busi2900	X	H	4	
401	7108	2011	FORD	F450	D	Straight Truck	Dump Bed	4x4	Yes	Busi2900	L	H	1.5	
402	7155	2011	FORD	F450	D	Straight Truck	Dump Bed	4x4	Yes	Busi2900	L	H	1.5	
403	7513	2017	FORD	F550	D	Straight Truck	Dump Bed	CrewCab 4x4	Yes	Busi2900	L	H	1.5	
404	7517	2018	FORD	F450 4X4	D	Straight Truck	Dump Bed	CrewCab 4x4	Yes	Busi2900	L	H	1.5	
405	7518	2009	FORD	F450 4X4	D	Straight Truck	Dump Bed	CrewCab 4x4	Yes	Busi2900	L	H	1.5	
406	7576	2007	FORD	F450 4X4	D	Straight Truck	Dump Bed	4x4	Yes	Busi2900	L	H	1.5	
407	7509	2008	GMC	C8500	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
408	4120	2006	GMC	C8500	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
409	4121	2015	FREIGHTLINER	114SD	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
410	4122	2015	FREIGHTLINER	114SD	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
411	4124	2004	INTERNATIONAL	7400	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
412	4126	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
413	4127	2004	INTERNATIONAL	7400	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
414	4131	2009	GMC	C8500	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
415	4194	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
416	4195	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
417	4196	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
418	4197	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
419	4271	2015	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
420	4321	2004	INTERNATIONAL	7400	D	Straight Truck	Dump Bed Single Axle		Yes	Busi2900	X	H	3	
421	4123	2001	INTERNATIONAL	2554	D	Straight Truck	Dump Bed Tandem Axle		Yes	Busi2900	X	H	3	
422	4129	2001	INTERNATIONAL	2554	D	Straight Truck	Dump Bed Tandem Axle		Yes	Busi2900	X	H	3	
423	4130	2001	INTERNATIONAL	2554	D	Straight Truck	Dump Bed Tandem Axle		Yes	Busi2900	X	H	3	
424	4135	2015	FREIGHTLINER	114SD	D	Straight Truck	Dump Bed Tandem Axle		Yes	Busi2900	X	H	3	
425	4142	2016	FREIGHTLINER	M2106	D	Straight Truck	Dump Bed Tandem Axle		Yes	Busi2900	X	H	3	
426	7157	2008	FORD	F450 4X4	D	Straight Truck	Dump Body	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
427	4133	2015	FORD	F450 4X4	D	Straight Truck	Dump Body	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
428	4311	2008	FORD	F450 4X4	D	Straight Truck	Dump Body	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	

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429	4317	2017	FORD	F450 4X4	D	Straight Truck	Dump Body	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
430	7291	2006	FORD	F350	G	Straight Truck	General Purpose	Dump Bed	Yes	Busi2900	L	H	1.5	
431	4112	2008	FORD	F450	D	Straight Truck	General Purpose	Dump Bed	Yes	Busi2900	L	H	1.5	
432	4413	2010	FORD	F550	D	Straight Truck	Insulated Aerial	4x2	Yes	Colv3200	L	H	4	
433	4414	2010	FORD	F550	D	Straight Truck	Insulated Aerial	4x2	Yes	Colv3200	L	H	4	
434	4415	2010	FORD	F550	D	Straight Truck	Insulated Aerial	4x2	Yes	Colv3200	L	H	4	
435	4418	2007	FORD	F550	D	Straight Truck	Insulated Aerial	4x2	Yes	Colv3200	L	H	4	
436	7220	2000	GMC	TF7B042	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
437	4221	2007	GMC	T-8500	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
438	4280	2014	INTERNATIONAL	4400	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
439	4281	2014	INTERNATIONAL	4400	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
440	4283	2015	FREIGHTLINER	M2106	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
441	4284	2015	FREIGHTLINER	M2106	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
442	4285	2015	FREIGHTLINER	M2106	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
443	4286	2016	FREIGHTLINER	M2106	D	Straight Truck	Leaf Truck		Yes	Busi2900	X	H	2	
444	4213	2015	ELGIN	PELICAN P	D	Straight Truck	Mech Street Sweeper		Yes	Busi2900	X	H	4	
445	4213	2015	ELGIN	PELICAN P	D	Straight Truck	Mech Street Sweeper		Yes	Busi2900	X	H	4	
446	4217	2016	ISUZU	NRR	D	Straight Truck	Refuse	Rear Loader 8 Yrd	Yes	QuakS0100	X	H	4	
447	4237	2014	ISUZU	NRR	D	Straight Truck	Refuse	Rear Loader 8 Yrd	Yes	QuakS0100	X	H	4	
448	4243	2018	AUTOCAR	ACX64	D	Straight Truck	Refuse Front Loader 25 Yrd		Yes	QuakS0100	X	H	4	
449	4248	2016	MACK	MRU613	D	Straight Truck	Refuse Front Loader 25 Yrd		Yes	QuakS0100	X	H	4	
450	4254	2016	MACK	MRU613	D	Straight Truck	Refuse Front Loader 25 Yrd		Yes	QuakS0100	X	H	4	
451	4242	2018	AUTOCAR	ACX64	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
452	4250	2016	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
453	4256	2019	AUTOCAR	ACMD64	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	Busi2900	X	H	4	
454	4261	2013	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
455	4262	2013	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
456	4263	2013	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
457	4264	2013	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
458	4265	2015	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
459	4266	2015	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
460	4267	2015	MACK	MRU613	D	Straight Truck	Refuse Rear Loader 25 Yrd		Yes	QuakS0100	X	H	4	
461	4216	2016	FREIGHTLINER	M2106	D	Straight Truck	Regen Strt Sweeper		Yes	Busi2900	X	H	4	
462	4257	2015	MACK	MRU613	D	Straight Truck	Roll Off		Yes	QuakS0100	X	H	4	
463	4258	2015	MACK	MRU613	D	Straight Truck	Roll Off		Yes	QuakS0100	X	H	4	
464	4440	2014	FORD	F450 4X4	D	Straight Truck	Service	Tow Recovery	Yes	Eise5200	X	H	4	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
465	4215	2010	MACK	MRU613	D	Straight Truck	Sewer Cleaner		Yes	Busi2900	X	H	5	
466	4320	2016	FREIGHTLINER	M2106	D	Straight Truck	Sewer Rodder		Yes	Busi2900	X	H	5	
467	4322	2010	INTERNATIONAL	4300	D	Straight Truck	Sewer Rodder		Yes	Busi2900	X	H	5	
468	4325	2014	FREIGHTLINER	114SD	D	Straight Truck	Sewer Vac T	A	Yes	Busi2900	X	H	5	
469	7510	2003	GMC	C 7500	D	Straight Truck	Stake Body	Lift Gate	Yes	Busi2900	X	H	4	
470	4118	2017	FORD	F450 4X4	D	Straight Truck	Stake Body	Lift Gate 4x4	Yes	Busi2900	L	H	1.5	
471	4275	2012	FORD	F450 4X4	D	Straight Truck	Stake Body	Lift Gate 4x4	Yes	Busi2900	L	H	1.5	
472	4821	2018	CHEVROLET	5500XD	D	Straight Truck	Switch -N- Go Body		Yes	Busi2900	X	H	3	
473	4825	2018	CHEVROLET	5500XD	D	Straight Truck	Switch -N- Go Body		Yes	Busi2900	X	H	3	
474	7507	2011	FORD	F450	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
475	7516	2011	FORD	F450	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
476	4219	2010	FORD	F450	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
477	4315	2011	FORD	F450 4X4	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
478	4316	2011	FORD	F450 4X4	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
479	4318	2016	FORD	F450 4X4	D	Straight Truck	Utility Bed	4x4	Yes	Busi2900	L	H	1.5	
480	4424	2016	FORD	F250 Super Duty	G	Straight Truck	Utility Bed	4x4	Yes	Colv3200	M	L	1	
481	4426	2016	FORD	F250 Super Duty	G	Straight Truck	Utility Bed	4x4	Yes	Colv3200	M	L	1	
482	7508	2011	FORD	F450	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
483	4109	2017	FORD	F450 4X4	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
484	4111	2017	FORD	F450 4X4	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
485	4115	2016	FORD	F450 4X4	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
486	4117	2016	FORD	F450 4X4	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
487	4134	2015	FORD	F450 4X4	D	Straight Truck	UtilityBody	Crew Cab 4x4	Yes	Busi2900	L	H	1.5	
488	3390	2003	TENNANT	6500	G	Sweep-Scrub	Riding		No	King0300		H	1	
489	4152	2012	RAYTECH	RC 4000	N	Tar Kettle	Trailer	Attachment	Yes	QuakS0100	S	L	0.5	
490	4153	2017	STEPP MFG	SPHD 3.0	D	Tar Kettle	Trailer	Attachment	Yes	Busi2600	S	L	0.5	
491	4157	2015	FALCON	P1P1XI	N	Tar Kettle	Trailer	Attachment	Yes	QuakS0100	S	L	0.5	
492	4158	2015	FALCON	P1P1XI	N	Tar Kettle	Trailer	Attachment	Yes	QuakS0100	S	L	0.5	
493	4159	2016	SEALMASTER	CRACKPRO 125	D	Tar Kettle	Trailer	Attachment	Yes	Busi3100	S	L	0.5	
494	3246	1983	HARLAN	HTA30	G	Tow Motor	Wheeled		Yes	Whee3500	M	H	2	
495	7149	2011	PRINOTH AG	SW4S	D	Tractor Utility	Riding		Yes	QuakS0100	M	H	2	
496	7150	2011	PRINOTH AG	SW4S	D	Tractor Utility	Riding		Yes	QuakS0100	M	H	2	
497	7256	2015	JOHN DEERE	5045E	D	Tractor Utility	Riding		Yes	QuakS0100	M	H	2	
498	7258	2014	JOHN DEERE	2032R	D	Tractor Utility	Riding		Yes	QuakS0100	M	H	2	
499	7521	2012	JOHN DEERE	5065M	D	Tractor Utility	Riding		Yes	QuakS0100	M	H	2	
500	7215	2012	ALUMNE	UTILITY TRAILER	N	Trailer Boat		Attachment	Yes	QuakS0100	M	L	0.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
501	433	2006	PACE AMER	CARGO TRAILER	N	Trailer Flat Bed	Attachment	Attachment	No	HowaN1200		L	0.5	
502	7209	2008	LEONARD	TRLU-6416LEO-28	N	Trailer Flat Bed		Attachment	Yes	Busi2900	S	L	0.5	
503	7214	2007	LOAD-ON	DGT6X10 12 ANGL	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
504	7216	2013	MUSTANG	TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
505	7541	2001	PRO-TRAK	TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
506	7543	2001	PRO-TRAK	TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
507	7546	2011	LEONARD	UTILITY TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
508	7569	2002	PACE AMER	TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
509	7573	2009	LEONARD	TRLU-6416LEO-28	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
510	7576A	2009	LEONARD	TRLU-6416LEO-28	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
511	7588	2009	HUDSON	TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
512	7589	2011	HOMESTEADER	CARGO TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
513	7593	2006	CARRY-ON	UTILITY TRAILER	N	Trailer Flat Bed		Attachment	Yes	QuakS0100	S	L	0.5	
514	4164	2017	PJ	PD272	N	Trailer Flat Bed		Attachment	Yes	Busi2900	S	L	0.5	
515	4183	2001	HUDSON	TRAILER	N	Trailer Flat Bed		Attachment	Yes	Busi3100	S	L	0.5	
516	4235	2010	PACE AMER	CARGO TRAILER	N	Trailer Flat Bed		Attachment	Yes	Busi2900	S	L	0.5	
517	4370	2016	CARRY-ON	TL	N	Trailer Flat Bed		Attachment	Yes	Busi3100	S	L	0.5	
518	7148	2011	WENGER	ENCORE SHOWM	N	Trailer Stage	Attachment	Attachment	Yes	QuakS0100	S	L	0.5	
519	7548	1995	WENGER	ENCORE SHOWM	G	Trailer Stage		Attachment	Yes	QuakS0100	S	L	0.5	
520	4165	2000	PRO-TRAK	18LB7T	N	Trailer Tilt Bed		Attachment	Yes	Busi3100	S	L	0.5	
521	4169	2017	PJ	PD252	N	Trailer Tilt Bed		Attachment	Yes	Busi3100	S	L	0.5	
522	4173	2017	FELLING	UTILITY TRAILER	N	Trailer Tilt Bed		Attachment	Yes	Busi2900	S	L	0.5	
523	7101	2012	LEONARD	TRLU-0718LEO-20	N	Trailer Utility	Attachment	Attachment	Yes	Busi2900	S	L	0.5	
524	7103	2017	HOLMES	C 6-10X18 R 7K	N	Trailer Utility	Attachment	Attachment	Yes	Busi2900	S	L	0.5	
525	7104	2017	HOLMES	C 6-10X18 R 7K	N	Trailer Utility	Attachment	Attachment	Yes	Busi2900	S	L	0.5	
526	3380	2009	LEONARD	TRLU-6412LEO-16	N	Trailer Utility		Attachment	Yes	Colv3200	S	L	0.5	
527	7544	2011	LEONARD	UTILITY TRAILER	N	Trailer Utility		Attachment	Yes	QuakS0100	S	L	0.5	
528	7599	2004	TEXAS BRAGG	UTILITY SKID	N	Trailer Utility		Attachment	Yes	QuakS0100	S	L	0.5	
529	4166	2002	HYDRO TEK	SS32004HH	D	Trailer Utility		Attachment	Yes	Busi2900	S	L	0.5	
530	4167	2005	DANZER	TRAILER	N	Trailer Utility		Attachment	Yes	Busi2900	S	L	0.5	
531	4168	2005	DANZER	TRAILER	N	Trailer Utility		Attachment	Yes	Busi2900	S	L	0.5	
532	4234	2006	TRAILMATE	UTILITY TRAILER	N	Trailer Utility		Attachment	Yes	Busi2900	S	L	0.5	
533	4251	2017	AUTOCAR	ACMD	D	Truck	Refuse Rear Loader 14 Yrd		Yes	QuakS0100	L	H	4	
534	4255	2017	AUTOCAR	ACMD	D	Truck	Refuse Rear Loader 14 Yrd		Yes	QuakS0100	L	H	4	
535	3359	2004	CHEVROLET	EXPRESS VAN	G	Van	Cargo	Utility	No	Mill2000		L	1	
536	27	2000	FORD	E350	G	Van	Cargo	Standard Van	No	UnioN0100		L	1	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
537	54	2001	GMC	SAVANA	G	Van	Cargo	Hi-Cube	No	WashS0200		L	1	
538	7260	2001	GRUMMAN	WORKHORSE	G	Van	Cargo	Step Van	Yes	QuakS0100	M	L	1	
539	7354	2011	CHEVROLET	CG33803	G	Van	Cargo	Hi-Cube	Yes	Busi2900	M	L	1	
540	3085	2005	DODGE	CARAVAN	G	Van	Cargo	Standard Van	Yes	King0300	M	L	1	
541	3092	2003	DODGE	CARAVAN	G	Van	Cargo	Standard Van	Yes	King0300	M	L	1	
542	4206	2012	ISUZU	NPR	D	Van	Cargo	Step Van	Yes	QuakS0100	M	L	1	
543	4328	2008	DODGE	C2500SHC	D	Van	Cargo	Sewer Inspct Camera	Yes	Busi2900	M	L	1	
544	3395	2017	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	No	King0300		L	1	
545	3396	2017	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	Yes	Colv3200	M	L	1	
546	3401	2017	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	No	King0300		L	1	
547	3791	2015	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	No	Mill2000		L	1	
548	3792	2017	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	No	King0300		L	1	
549	4409	2016	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	Yes	Colv3200	M	L	1	
550	910	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	No	Mill2300		L	1	
551	911	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	No	Mill2300		L	1	
552	3101	2008	CHEVROLET	EXPRESS VAN	G	Van	Cargo Utility	Non-Hybrid	No	King0300		L	1	
553	3105	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	No	Eise4100		L	1	
554	3106	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	No	Eise4100		L	1	
555	3311	2008	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	Yes	Colv3200	M	L	1	
556	3312	2008	CHEVROLET	EXPRESS VAN	G	Van	Cargo Utility	Non-Hybrid	Yes	Colv3200	M	L	1	
557	3315	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	Yes	Colv3200	M	L	1	
558	3316	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	Yes	Colv3200	M	L	1	
559	3317	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	No	Mill2000		L	1	
560	3318	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	Yes	Colv3200	M	L	1	
561	3394	2008	CHEVROLET	EXPRESS VAN	G	Van	Cargo Utility	Non-Hybrid	No	Mill2000		L	1	
562	205	2010	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	Yes	Whee3500	M	L	1	
563	300	2017	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King4400		L	1	
564	321	2005	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	BeauN1900		L	1	
565	338	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	MtVe2500		L	1	
566	340	2010	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	MtVe2500		L	1	
567	717	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King4400		L	1	
568	719	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Peac4500		L	1	
569	721	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Dogw1500		L	1	
570	722	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King4400		L	1	
571	810	2011	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	StAsN0700		L	1	
572	811	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	HowaN1100		L	1	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
573	815	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	LindW0000		L	1	
574	820	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Ford4400		L	1	
575	822	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	TaylE1100		L	1	
576	823	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	GrayN0100		L	1	
577	826	2012	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	WindE0500		L	1	
578	827	2012	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	HowaN1100		L	1	
579	828	2012	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Semi4500		L	1	
580	915	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	BellE0400		L	1	
581	922	2012	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Mill2300		L	1	
582	930	2009	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King4400		L	1	
583	121	2018	FORD	TRANSIT CONNECT	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King0400		L	1	
584	173	2015	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	No	Duke5000		L	1	
585	508	2017	DODGE	JOURNEY	G	Van	Minivan 7 Passenger	Non-Hybrid	No	King0300		L	1	
586	7504	2011	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
587	7512	2005	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	Yes	Sang5700	M	L	1	
588	84	2018	FORD	TRANSIT 350	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Whee3500	M	L	1	
589	212	2010	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Whee3500	M	L	1	
590	327	2017	FORD	TRANSIT 150	G	Van	Window 12 Passenger	Non-Hybrid	No	MtVe2500		L	1	
591	708	2012	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	No	Ford4400		L	1	
592	841	2006	FORD	E350	G	Van	Window 12 Passenger	Non-Hybrid	No	Ford4400		L	1	
593	7226	2011	FORD	E350	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
594	7500	2018	FORD	TRANSIT 350	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
595	7526	2006	GMC	SAVANA 2500	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
596	7561	2006	FREIGHTLINER	C2500SHC	D	Van	Window 12 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
597	7562	2006	FREIGHTLINER	C2500SHC	D	Van	Window 12 Passenger	Non-Hybrid	Yes	ReedW0000	M	L	1	
598	7596	2009	FORD	E350	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Jeff1100	M	L	1	
599	8610	2008	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	King0500	M	L	1	
600	8611	2005	GMC	SAVANA 2500	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Mill2000	M	L	1	
601	8629	2006	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	King0500	M	L	1	
602	8657	2006	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	King0500	M	L	1	

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
603	8705	2017	FORD	TRANSIT 350	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Mill2000	M	L	1	
604	164	2018	FORD	TRANSIT 350	G	Van	Window 15 Passenger	Non-Hybrid	No	King0500		L	1	
605	7240	2013	KIFCO	WATER REEL	NULL	Wheel Wagon		Attachment	Yes	QuakS0100	S	L	0.5	

606 **605 TOTAL ITEMS ****

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COA Parking Summary **	
Small	133
Medium	202
Large	50
Extra Large	63

COA Repair Bay Summary **	
Light	5.58
Heavy	5.37

*** Without Fire or Police***

APPENDIX A – VEHICLE & EQUIPMENT LISTS

CITY OF ALEXANDRIA – POLICE DEPARTMENT

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
	CITY OF ALEXANDRIA POLICE DEPARTMENT VEHICLE LIST													
611	1149	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
612	1157	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
613	1163	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	No	Semi4600		L	1.5	
614	1171	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	No	Jeff1100		L	1.5	
615	1201	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
616	1202	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
617	1203	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
618	1204	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
619	1205	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
620	1206	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
621	1207	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
622	1208	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
623	1209	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
624	1210	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
625	1211	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
626	1212	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
627	1213	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
628	1214	2012	CHEVROLET	CAPRICE	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
629	1300	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
630	1301	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
631	1302	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
632	1303	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
633	1304	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
634	1305	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
635	1306	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
636	1307	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
637	1308	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
638	1309	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
639	1310	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
640	1311	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
641	1312	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
642	1313	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
643	1314	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
644	1315	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
645	1316	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
646	1317	2013	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
647	1400	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
648	1401	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
649	1402	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
650	1403	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
651	1404	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
652	1405	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
653	1406	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
654	1407	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
655	1408	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
656	1409	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
657	1410	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
658	1411	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
659	1412	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
660	1413	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
661	1414	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
662	1415	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
663	1448	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
664	1740	2017	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
665	1800	2017	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
666	1833	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
667	1852	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
668	8604	2011	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	King0500	M	L	1.5	
669	8606	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
670	8632	2011	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
671	8670	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	King0500	M	L	1.5	
672	8680	2014	CHEVROLET	CAPRICE	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
673	8681	2014	CHEVROLET	CAPRICE	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
674	8691	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	King0500	M	L	1.5	
675	8692	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Marked	Non-Hybrid	Yes	King0500	M	L	1.5	
676	1007	2010	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
677	1159	2011	DODGE	CHARGER	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
678	1200	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
679	1216	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
680	1217	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
681	1218	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
682	1442	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
683	1443	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
684	1652	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
685	1802	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
686	1803	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
687	1804	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
688	1806	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
689	1807	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
690	1808	2018	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce PEO	Non-Hybrid	Yes	Whee3600	M	L	1.5	
691	1144	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
692	1147	2011	FORD	CROWN VIC	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
693	1229	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
694	1230	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
695	1321	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
696	1322	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
697	1323	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
698	1324	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
699	1325	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
700	1326	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
701	1329	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
702	1429	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
703	1430	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
704	1431	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
705	1432	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
706	1433	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
707	1434	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
708	1435	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
709	1436	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
710	1437	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
711	1438	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
712	1439	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
713	1440	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
714	1441	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
715	1449	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
716	1450	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
717	1451	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
718	1452	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
719	1453	2014	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
720	1518	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
721	1519	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
722	1520	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
723	1521	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
724	1522	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
725	1523	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
726	1524	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
727	1525	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
728	1526	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
729	1527	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
730	1528	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
731	1529	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
732	1536	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
733	1626	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
734	1627	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
735	1628	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
736	1629	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
737	1630	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
738	1631	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
739	1632	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
740	1633	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
741	1634	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
742	1635	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
743	1636	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
744	1637	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
745	1639	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
746	1661	2015	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
747	1662	2016	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
748	1710	2016	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
749	1824	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
750	1825	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
751	1826	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
752	1827	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
753	1828	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
754	1829	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
755	1831	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
756	1832	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3500	M	L	1.5	
757	1904	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
758	1909	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
759	1915	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Busi2600	M	L	1.5	
760	1916	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
761	1918	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
762	1922	2019	FORD	INT SEDAN FWD	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
763	2526	2005	FORD	TAURUS	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
764	2925	2009	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
765	2933	2009	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
766	8621	2009	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
767	8624	2011	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
768	8648	2011	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
769	8671	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
770	8673	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
771	8675	2012	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
772	8676	2013	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
773	8684	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
774	8685	2014	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
775	8686	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
776	8687	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
777	8688	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
778	8689	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
779	8690	2016	CHEVROLET	IMPALA	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
780	8697	2016	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
781	8698	2016	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
782	8707	2018	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
783	8708	2019	FORD	INTRCPTR SEDAN	G	Auto	Full Size Law Enforce Unmarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
784	1297	2005	TOYOTA	PRIUS	G	Auto	Intermed	Hybrid	Yes	Whee3600	M	L	1.5	
785	3518	2005	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	No	Mill2000		L	1.5	
786	1328	2014	FORD	FUSION	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
787	1805	2018	FORD	INT SEDAN FWD	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
788	1901	2019	FORD	FUSION	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
789	1921	2019	FORD	RESPONDR SEDAN	G	Auto	Intermed	Hybrid	Yes	Whee3600	M	L	1.5	
790	2519	2005	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
791	2626	2006	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
792	2627	2006	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
793	2628	2006	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
794	2629	2006	CHEVROLET	MALIBU	G	Auto	Intermed	Non-Hybrid	Yes	Whee3600	M	L	1.5	
795	1900	2019	FORD	RESPONDR SEDAN	G	Auto	Intermed Police	Hybrid	Yes	Whee3600	M	L	1.5	
796	1920	2019	FORD	RESPONDR SEDAN	G	Auto	Intermed Police	Hybrid	Yes	Whee3600	M	L	1.5	
797	1327	2014	FORD	FOCUS	G	Auto	Subcompact	Non-Hybrid	Yes	Whee3600	M	L	1.5	
798	1024	2010	WESTW	INTERCEPTOR III	G	Carts		3-Wheeled	Yes	Whee3600	S	L	1.5	
799	1025	2010	WESTW	INTERCEPTOR III	G	Carts		3-Wheeled	Yes	Whee3600	S	L	1.5	
800	8706	2017	CLUB CAR	CARRYALL 550	G	Carts		4-Wheeled	Yes	Mill2000	S	L	1.5	
801	1032	2010	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
802	1033	2010	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
803	1131	2011	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
804	1132	2011	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
805	1133	2011	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
806	1134	2011	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
807	1226	2012	HARLEY	FLHTPI	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
808	1227	2013	HARLEY	FLHTPI	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
809	1653	2016	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
810	1654	2016	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
811	1736	2017	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
812	1737	2017	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
813	1774	2017	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
814	1775	2017	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
815	1776	2017	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Whee3600	S	L	1	
816	8695	2016	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Mill2000	S	L	1	
817	8696	2016	HARLEY	FLHTP	G	Motorcycles		Law Enforcement	Yes	Mill2000	S	L	1	
818	1101	2011	FORD	F250	G	Pickup	Half-Ton Regular Cab 4x4	Non-Hybrid	Yes	Whee3600	M	L	1.5	
819	3301	2004	DODGE	DAKOTA	G	Pickup	Half-Ton Regular Cab 4x2	Non-Hybrid	No	Mill2000	M	L	1.5	
820	1100	2011	FORD	F350	G	Pickup	Super Duty Crew Cab	Non-Hybrid	Yes	Whee3600	M	H	1.5	
821	8683	2015	FORD	F350 SUPER DUTY	D	Pickup	Super Duty Crew Cab	Non-Hybrid	Yes	Mill2000	M	H	1.5	
822	8682	2015	FORD	F250 Super Duty	G	Pickup	Super Duty Reg Cab 4x4	Non-Hybri	Yes	Mill2000	M	H	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
823	1663	2016	SMART 800	TRAILER RADAR	N	Radar Display	Attachment	Trailer Mount	Yes	Whee3600	S	L	0.5	Is the trailer listed separately?
824	1664	2016	SMART 800	TRAILER RADAR	N	Radar Display	Attachment	Trailer Mount	Yes	Whee3600	S	L	0.5	Is the trailer listed separately?
825	1727	2016	SMART 800	TRAILER RADAR	N	Radar Display	Attachment	Trailer Mount	Yes	Whee3600	S	L	0.5	Is the trailer listed separately?
826	1728	2016	SMART 800	TRAILER RADAR	N	Radar Display	Attachment	Trailer Mount	Yes	Whee3600	S	L	0.5	Is the trailer listed separately?
827	1292	2017	JEEP	COMPASS	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1.5	
828	1293	2012	JEEP	LIBERTY	G	Sport Utility	Half-Ton 4 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1.5	
829	1290	2014	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1.5	
830	1291	2014	FORD	EXPLORER	G	Sport Utility	Half-Ton 6 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1.5	
831	1417	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
832	1418	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
833	1419	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
834	1420	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
835	1421	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
836	1600	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
837	1704	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
838	1734	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
839	1823	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce K9	Non-Hybrid	Yes	Whee3600	M	L	1.5	
840	1223	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
841	1228	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
842	1318	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
843	1319	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
844	1320	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
845	1416	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
846	1422	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
847	1423	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
848	1424	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
849	1425	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3500	M	L	1.5	
850	1426	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
851	1427	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
852	1428	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
853	1445	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
854	1446	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
855	1447	2014	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
856	1501	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
857	1502	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
858	1503	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
859	1504	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
860	1505	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
861	1506	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
862	1507	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
863	1508	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
864	1510	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
865	1511	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
866	1512	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
867	1513	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
868	1514	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
869	1515	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
870	1516	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
871	1517	2015	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
872	1530	2015	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
873	1601	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
874	1602	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
875	1603	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
876	1604	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
877	1605	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
878	1606	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
879	1608	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
880	1609	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
881	1610	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
882	1611	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
883	1612	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
884	1613	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
885	1614	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
886	1615	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
887	1616	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
888	1617	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
889	1618	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
890	1619	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
891	1620	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
892	1621	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
893	1700	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
894	1701	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
895	1702	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
896	1703	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
897	1705	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
898	1706	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
899	1707	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
900	1708	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
901	1709	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
902	1711	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
903	1712	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
904	1713	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
905	1714	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
906	1715	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
907	1716	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
908	1717	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
909	1719	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
910	1720	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
911	1721	2017	FORD	EXPLORER	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
912	1722	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
913	1723	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
914	1724	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
915	1725	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
916	1726	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
917	1729	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
918	1730	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
919	1731	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
920	1732	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
921	1733	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
922	1738	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
923	1739	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
924	1809	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3500	M	L	1.5	
925	1815	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
926	1817	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
927	1818	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
928	1820	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
929	1821	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
930	1822	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	

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									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
931	1850	2018	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
932	1913	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
933	1919	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
934	8651	2010	CHEVROLET	SUBURBAN	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
935	8656	2013	CHEVROLET	SUBURBAN	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
936	8693	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
937	8699	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
938	8700	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
939	8701	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
940	8702	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
941	8703	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
942	8704	2017	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
943	8710	2019	CHEVROLET	SUBURBAN	G	Sport Utility	LawEnforce Marked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
944	1170	2011	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
945	1190	2011	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
946	1219	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
947	1220	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
948	1221	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
949	1224	2013	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
950	1531	2015	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
951	1622	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
952	1623	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
953	1638	2016	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
954	1642	2016	FORD	EXPEDITION	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
955	1810	2018	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
956	1811	2018	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
957	1812	2018	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
958	1813	2018	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
959	1814	2018	CHEVROLET	TAHOE	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
960	1917	2019	FORD	INTRCPTR SEDAN	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Whee3600	M	L	1.5	
961	8694	2016	FORD	EXPLORER	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
962	8709	2019	FORD	INTRCPTR UTILTY	G	Sport Utility	LawEnforce UnMarked	Non-Hybrid	Yes	Mill2000	M	L	1.5	
963	1656	2016	FREIGHTLINER	XCR	D	Straight Truck	Bus Command Center		Yes	Whee3600	X	H	4	
964	1104	2011	FORD	F550	G	Straight Truck	Law Enfor	Command Center	Yes	Whee3600	L	H	4	
965	1655	2015	FORD	F550	G	Straight Truck	Law Enfor	Armored 4x4	Yes	Whee3600	L	H	4	
966	1003	2010	FORD	E450	G	Straight Truck	Law Enforc Special	4x2	Yes	Whee3600	L	H	2	

APPENDIX A – VEHICLE & EQUIPMENT LISTS

									Parking			Repair Bays		
	Unit	Year	Make	Model	Fuel Type	Class Type	Size	Hybrid, Non-Hybrid, Attachment	On WW Campus	Location	Size (S,M,L,X)	Heavy vs. Light	VE	Remarks
967	1103	2011	FORD	E450	G	Straight Truck	Law Enforc Special	4x2	Yes	Whee3600	L	H	2	
968	2001	2010	CARRY-ON	CARGO TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
969	2358	2003	STAR	CARGO TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
970	2359	2003	HAULMARK	CARGO TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
971	2362	2003	PRO-TRAK	TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
972	2452	2005	PACE AMER	TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
973	2527	2005	CARGO EXPRESS	CARGO TRAILER	N	Trailer Flat Bed	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
974	1460	2015	HAULMARK	TRAILER	N	Trailer Utility	Attachment	Attachment	Yes	Whee3600	S	L	0.5	
975	1004	2010	FORD	F450	G	Truck Law Enforce	Special Purpose	4x2	Yes	Whee3600	L	H	1.5	
976	1735	2017	DODGE	CARAVAN	G	Van	Cargo	Standard Van	Yes	Whee3600	M	L	1	
977	1801	2018	FORD	TRANSIT 250	G	Van	Cargo	Standard Van	Yes	Whee3600	M	L	1	
978	3244	2015	FORD	TRANSIT CONNECT	G	Van	Cargo Minivan	Non-Hybrid	Yes	Whee3600	M	L	1	
979	1225	2012	CHEVROLET	EXPRESS	G	Van	Cargo Utility	Non-Hybrid	Yes	Whee3600	M	L	1	
980	1500	2015	GMC	SAVANA 2500 HD	G	Van	Cargo Utility	Non-Hybrid	Yes	Whee3600	M	L	1	
981	2443	2004	CHEVROLET	ASTRO VAN	G	Van	Cargo Utility	Non-Hybrid	Yes	Whee3600	M	L	1	
982	2797	2004	DODGE	GRAND CARAVAN	G	Van	Cargo Utility	Non-Hybrid	Yes	Whee3600	M	L	1	
983	2631	2006	FORD	VAN CARGO	G	Van	Law Enforce	Marked	Yes	Whee3600	M	L	1	
984	2834	2008	FORD	VAN	G	Van	Law Enforce	Marked	Yes	Whee3600	M	L	1	
985	1830	2003	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1	
986	2525	2005	DODGE	CARAVAN	G	Van	Minivan 7 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1	
987	1444	2014	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1	
988	1718	2004	GMC	SAVANA	G	Van	Window 12 Passenger	Non-Hybrid	Yes	Whee3600	M	L	1	

989 **378 TOTAL ITEMS FOR POLICE**

990
991
992
993

Police Parking Summary	
Small	31
Medium	338
Large	5
Extra Large	1

Police Repair Bay Summary	
Light	7.54
Heavy	0.31

APPENDIX A – VEHICLE & EQUIPMENT LISTS

CITY OF ALEXANDRIA – FIRE DEPARTMENT

	Qty	Class	Vehicle Use	Type	Fuel	Length (feet)
1	1	ATV	ATV Ambulance		Gasoline	14
2	1	ATV	Medical Gator		Gasoline	12
3	1	Boat	Fire Boat (twin 4000 GPM pumps		Diesel	50
4	2	Boat	Inflatable Rescue Boat		Mixed Gasoline / Oil	18
5	2	Heavy Duty	Box Truck		Diesel	38
6	2	Heavy Duty	Hazardous Materials Units		Diesel	40
7	1	Heavy Duty	Ladder Truck - Rear Mount (100' aerial ladder)		Diesel	48
8	4	Heavy Duty	Ladder Truck - Tiller (100' aerial ladder)		Diesel	60
9	1	Heavy Duty	Mass Casualty Unit		Diesel	38
10	1	Heavy Duty	Mobile Air Unit		Diesel	32
11	1	Heavy Duty	Passenger Bus / Rehabilitation Unit		Diesel	36
12	13	Heavy Duty	Pumper (750 gallon water tank, 2000 GPM pump)		Diesel	32
13	2	Heavy Duty	Rescue Squad (hydraulic rescue tool & pump)		Diesel	40
14	2	Light Duty	Non-Take Home / Non-Emergency Use	Sedan	Gasoline	15
15	1	Light Duty	Take Home / Emergency Use	Sedan	Gasoline	16
16	7	Light Duty	Fleet Reserve / Emergency Use	Sport Utility	Gasoline	15
17	6	Light Duty	Non-Take Home / Emergency Use	Sport Utility	Gasoline	16
18	2	Light Duty	Non-Take Home / Non-Emergency Use	Sport Utility	Gasoline	16
19	4	Light Duty	Staff Response / Emergency Use	Sport Utility	Gasoline	19
20	15	Light Duty	Take Home / Emergency Use	Sport Utility	Gasoline	16

APPENDIX A – VEHICLE & EQUIPMENT LISTS

	Qty	Class	Vehicle Use	Type	Fuel	Length (feet)
21	2	Light Duty	1/2 Ton Pickup / Emergency Use	Truck	Gasoline	20
22	1	Medium Duty	Passenger Bus	Bus	Diesel	28
23	12	Medium Duty	Medic Unit	Medic Unit	Diesel	26
24	4	Medium Duty	3/4 Ton Pickup Truck, 4x4	Truck	Gasoline	22
25	1	Medium Duty	Box Truck	Truck	Diesel	24
26	1	Medium Duty	Foam Unit	Truck	Diesel	24
27	1	Medium Duty	HazMat Support Unit	Truck	Diesel	24
28	1	Medium Duty	Shop Mobile Repair Unit	Truck	Diesel	22
29	1	Medium Duty	Swiftwater Unit	Truck	Diesel	26
30	1	Medium Duty	Fire Investigation Unit	Vabn	Gasoline	18
31	1	Medium Duty	Passenger Van	Van	Gasoline	20
32	1	Other	Skid-Steer		Gasoline	9
33	2	Other	Forklift		Gasoline	10
34	10	Trailers	Non-Motorized Trailer		NA	20

35	**108**	**TOTAL FIRE DEPARTMENT UNITS**

APPENDIX A – VEHICLE & EQUIPMENT LISTS

ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS)

Unit #	Size *	Year	Length (feet)
TO BE SOLD			
5	47	2005	23.5
7	47	2005	23.5
46	47	2005	23.5
50	47	2005	23.5
57	65	2007	34
72	52	2006	26
78	65	2009	34
91	77	2006	37.5
94	39	2007	19.5
96	39	2007	19.5

10 TOTAL TO BE SOLD

SPARES			
18	77	2009	37.5
58	77	2012	37.5
61	77	2009	37.5
63	77	2009	37.5
67	77	2008	37.5
74	77	2006	37.5
80	53	2014	26.5
93	77	2006	37.5
98	77	2008	37.5
100	30	2007	15

10 TOTAL SPARES

Plus 58 White Fleet Vehicles
(sedans, SUVs, pickup trucks)

Unit #	Size *	Year	Length (feet)
ROUTE			
1	77	2017	37.5
2	65	2012	34
3	77	2015	37.5
4	77	2015	37.5
6	77	2017	37.5
8	77	2009	37.5
9	65	2020	34
10	77	2007	37.5
11	77	2017	37.5
12	77	2018	37.5
14	65	2012	34
15	77	2012	37.5
16	77	2012	37.5
17	77	2012	37.5
19	77	2020	37.5
20	65	2012	34
21	77	2014	37.5
22	77	2014	37.5
23	77	2015	37.5
24	77	2014	37.5
25	77	2014	37.5
26	77	2014	37.5
27	77	2015	37.5
28	77	2015	37.5
29	77	2009	37.5
30	77	2015	37.5
31	77	2018	37.5
32	77	2018	37.5
33	77	2015	37.5
34	77	2017	37.5
35	77	2018	37.5
36	77	2014	37.5
37	77	2018	37.5
38	77	2009	37.5

Unit #	Size *	Year	Length (feet)
ROUTE (Continued)			
39	77	2018	37.5
40	77	2018	37.5
41	77	2015	37.5
42	77	2020	37.5
43	65	2020	34
44	77	2014	37.5
45	65	2020	34
47	65	2020	34
48	77	2020	37.5
49	77	2020	37.5
51	53	2020	26.5
52	77	2012	37.5
53	77	2011	37.5
54	65	2020	34
55	77	2012	37.5
56	77	2012	37.5
59	77	2012	37.5
60	77	2014	37.5
62	77	2014	37.5
64	77	2012	37.5
65	77	2014	37.5
66	77	2014	37.5
68	77	2011	37.5
69	77	2012	37.5
70	77	2009	37.5
71	77	2009	37.5
73	77	2018	37.5
75	77	2011	37.5
76	77	2012	37.5
77	65	2009	34
79	65	2009	34
81	53	2014	26.5
82	77	2017	37.5
83	77	2017	37.5

Unit #	Size *	Year	Length (feet)
ROUTE (Continued)			
84	77	2017	37.5
85	77	2017	37.5
86	77	2017	37.5
87	77	2011	37.5
88	77	2017	37.5
89	77	2015	37.5
90	53	2018	26.5
92	53	2018	26.5
95	77	2017	37.5
99	77	2009	37.5
101	30	2009	15
102	77	2009	37.5
103	77	2012	37.5
104	77	2012	37.5
105	77	2012	37.5
106	77	2012	37.5
107	77	2012	37.5
108	77	2012	37.5
109	77	2012	37.5
110	77	2012	37.5
111	77	2015	37.5
112	77	2017	37.5
113	77	2017	37.5
114	77	2017	37.5
115	77	2017	37.5
116	77	2017	37.5
117	53	2017	26.5
118	53	2017	26.5
119	53	2017	26.5
120	77	2020	37.5
121	77	2020	37.5
122	77	2020	37.5

100 TOTAL ROUTE BUSES

APPENDIX A – VEHICLE & EQUIPMENT LISTS

ALEXANDRIA TRANSIT COMPANY (DASH) – REVENUE VEHICLES

	Qty	Make	Year	Seating	ADA	Length (feet)	Width (inches)
1	1	Orion	2000	37	Lift	35	96
2	5	Orion	2002	37	Lift	35	96
3	13	Orion	2005	37	Lift	35	96
4	9	Orion	2007	37	Lift	35	96
5	3	Gillig	2007	37	Lift	35	96
6	7	Gillig LF Hybrid	2011	32	Ramp	35	102
7	5	Gillig LF Hybrid	2012	32	Ramp	35	102
8	5	Gillig LF Hybrid	2014	32	Ramp	35	102
9	13	Gillig LF Hybrid	2015	32	Ramp	35	102
10	4	Gillig LF Hybrid	2017	32	Ramp	35	102
11	3	Gillig LF Hybrid	2011	40	Ramp	40	102
12	5	Gillig LF Hybrid	2012	40	Ramp	40	102
13	2	Gillig LF Hybrid	2014	40	Ramp	40	102
14	2	Gillig LF Hybrid	2017	40	Ramp	40	102
15	5	Gillig Trolley	2011	28	Ramp	29	102
16	1	Gillig Trolley	2017	32	Ramp	35	102
17	14	Gillig Clean Diesel	2018	32	Ramp	35	102
18	13	New Flyer Clean Diesel	2018	32	Ramp	35	102
19	14	Neoplan Articulated	2002	66	Lift	60	102
20	2	Gillig Phantom	2005	45	Lift	40	102
21	6	MCI	2002	57	Lift	45	102

SUMMARY	
29-Foot	5
35-Foot	93
40-Foot	14
45-Foot	6
60-Foot	14
TOTAL	**132**

* Used for temporary Shuttle during Metro shut down

APPENDIX A – VEHICLE & EQUIPMENT LISTS

ALEXANDRIA TRANSIT COMPANY (DASH) – NON-REVENUE VEHICLES (NRVs)

	Qty	Make	Year	Type	Use
1	1	Chev Malibu	2004	Auto	Relief
2	1	Forklift	1994	Equipment	Maintenance
3	1	GMC Pickup	2000	Pickup	Maintenance
4	1	Ford F250	1996	Pickup	Maintenance
5	1	Chev Impala	2006	Auto	Relief
6	2	Ford Fusion	2012	Auto	GM / Admin
7	2	Club Car	2005	Equipment	Maintenance
8	2	Ford Explorer	2014	SUV	Supervisor
9	1	Ford Explorer	2015	SUV	Supervisor
10	3	Chev Impala	2015	Auto	Relief
11	1	Jeep Compass	2016	SUV	Transportation
12	1	Chevy Silverado	2016	Pickup	Maintenance
13	1	John Deere	2001	Equipment	Maintenance
14	2	Toyota RAV4	2018	SUV	GM / Admin
15	**20**	**TOTAL NON-REVENUE VEHICLES (NRVs)**			

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